

Data File : VW005891.D
Acq On : 08 Oct 2018 12:40
Operator : SY/AP
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Quant Time: Oct 09 02:01:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 01:57:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	331368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	489261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	242200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	326739	101.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.14%	
35) Dibromofluoromethane	7.88	113	318743	102.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.08%	
50) Toluene-d8	10.33	98	1228407	102.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.42%	
62) 4-Bromofluorobenzene	12.62	95	465085	101.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	176759	108.852	ug/l	99
3) Chloromethane	2.21	50	188976	98.937	ug/l	99
4) Vinyl Chloride	2.37	62	315646	104.091	ug/l	98
5) Bromomethane	2.78	94	247994	103.624	ug/l	99
6) Chloroethane	2.93	64	204152	105.669	ug/l	97
7) Trichlorofluoromethane	3.26	101	259908	107.976	ug/l	95
8) Diethyl Ether	3.68	74	151140	102.025	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	308161	101.446	ug/l	100
10) Methyl Iodide	4.27	142	508897	102.438	ug/l	100
11) Tert butyl alcohol	5.19	59	115520	489.998	ug/l	96
12) 1,1-Dichloroethene	4.04	96	296427	101.618	ug/l	98
13) Acrolein	3.89	56	97138	462.360	ug/l	95
14) Allyl chloride	4.67	41	497551	100.020	ug/l	99
15) Acrylonitrile	5.37	53	336846	522.484	ug/l	100
16) Acetone	4.12	43	314017	488.712	ug/l	97
17) Carbon Disulfide	4.38	76	917510	104.038	ug/l	100
18) Methyl Acetate	4.67	43	176038	108.568	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	452540	99.717	ug/l	100
20) Methylene Chloride	4.92	84	299950	93.175	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	328233	103.239	ug/l	97
22) Diisopropyl ether	6.32	45	946472	101.779	ug/l	96
23) Vinyl Acetate	6.26	43	2950193	515.445	ug/l	100
24) 1,1-Dichloroethane	6.21	63	578366	101.632	ug/l	99
25) 2-Butanone	7.17	43	462448	506.015	ug/l	100
26) 2,2-Dichloropropane	7.16	77	374981	93.627	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	367800	102.293	ug/l	99
28) Bromochloromethane	7.51	49	200707	95.548	ug/l	100
29) Tetrahydrofuran	7.53	42	301342	521.607	ug/l	100
30) Chloroform	7.68	83	599604	102.579	ug/l	98
31) Cyclohexane	7.96	56	538600	95.638	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	524983	100.850	ug/l	99
36) 1,1-Dichloropropene	8.09	75	477058	101.760	ug/l	99
37) Ethyl Acetate	7.26	43	206174	103.851	ug/l	99
38) Carbon Tetrachloride	8.07	117	516480	102.542	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	638291	103.226	ug/l	99
40) Benzene	8.33	78	1309703	102.073	ug/l	100
41) Methacrylonitrile	7.49	41	128864	103.679	ug/l	98
42) 1,2-Dichloroethane	8.40	62	398854	102.892	ug/l	100
43) Isopropyl Acetate	8.43	43	434968	104.885	ug/l	100
44) Trichloroethene	9.09	130	384091	103.172	ug/l	97
45) 1,2-Dichloropropane	9.37	63	326107	101.536	ug/l	99
46) Dibromomethane	9.46	93	182604	103.447	ug/l	99
47) Bromodichloromethane	9.65	83	458880	103.305	ug/l	97
48) Methyl methacrylate	9.44	41	207595	105.083	ug/l	99
49) 1,4-Dioxane	9.45	88	56390	2103.108	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	1057458	523.633	ug/l	99
52) Toluene	10.39	92	864690	102.581	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	482234	103.884	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	536228	102.762	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	249947	102.230	ug/l	99
56) Ethyl methacrylate	10.65	69	345557	104.864	ug/l	99
57) 1,3-Dichloropropane	10.93	76	421474	102.470	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	658332	490.986	ug/l	100
59) 2-Hexanone	10.97	43	748023	516.594	ug/l	99
60) Dibromochloromethane	11.13	129	328954	104.263	ug/l	100
61) 1,2-Dibromoethane	11.24	107	253388	103.714	ug/l	100
64) Tetrachloroethene	10.87	164	341855	103.660	ug/l	98
65) Chlorobenzene	11.66	112	970546	102.343	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	362344	104.242	ug/l	99
67) Ethyl Benzene	11.74	91	1705424	101.814	ug/l	99
68) m/p-Xylenes	11.84	106	1342573	205.100	ug/l	99
69) o-Xylene	12.17	106	648605	103.498	ug/l	99
70) Styrene	12.18	104	1078828	103.756	ug/l	100
71) Bromoform	12.35	173	221634	107.043	ug/l #	99
73) Isopropylbenzene	12.47	105	1799553	101.737	ug/l	100
74) N-amyl acetate	12.27	43	434298	103.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	297732	102.694	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	410836	110.823	ug/l #	100
77) Bromobenzene	12.75	156	431270	102.911	ug/l	99
78) n-propylbenzene	12.81	91	2098507	100.854	ug/l	100
79) 2-Chlorotoluene	12.90	91	1189201	101.245	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1514432	101.412	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	107467	104.864	ug/l	98
82) 4-Chlorotoluene	12.99	91	1265208	102.379	ug/l	100
83) tert-Butylbenzene	13.21	119	1350097	101.647	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1521177	100.984	ug/l	100
85) sec-Butylbenzene	13.39	105	1885292	101.122	ug/l	100
86) p-Isopropyltoluene	13.51	119	1694188	101.048	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	844872	101.479	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	838117	101.305	ug/l	100
89) n-Butylbenzene	13.83	91	1588855	100.534	ug/l	100
90) Hexachloroethane	14.10	117	321861	102.070	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	752473	101.800	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	56240	104.091	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Quantitation Report (Not Reviewed)

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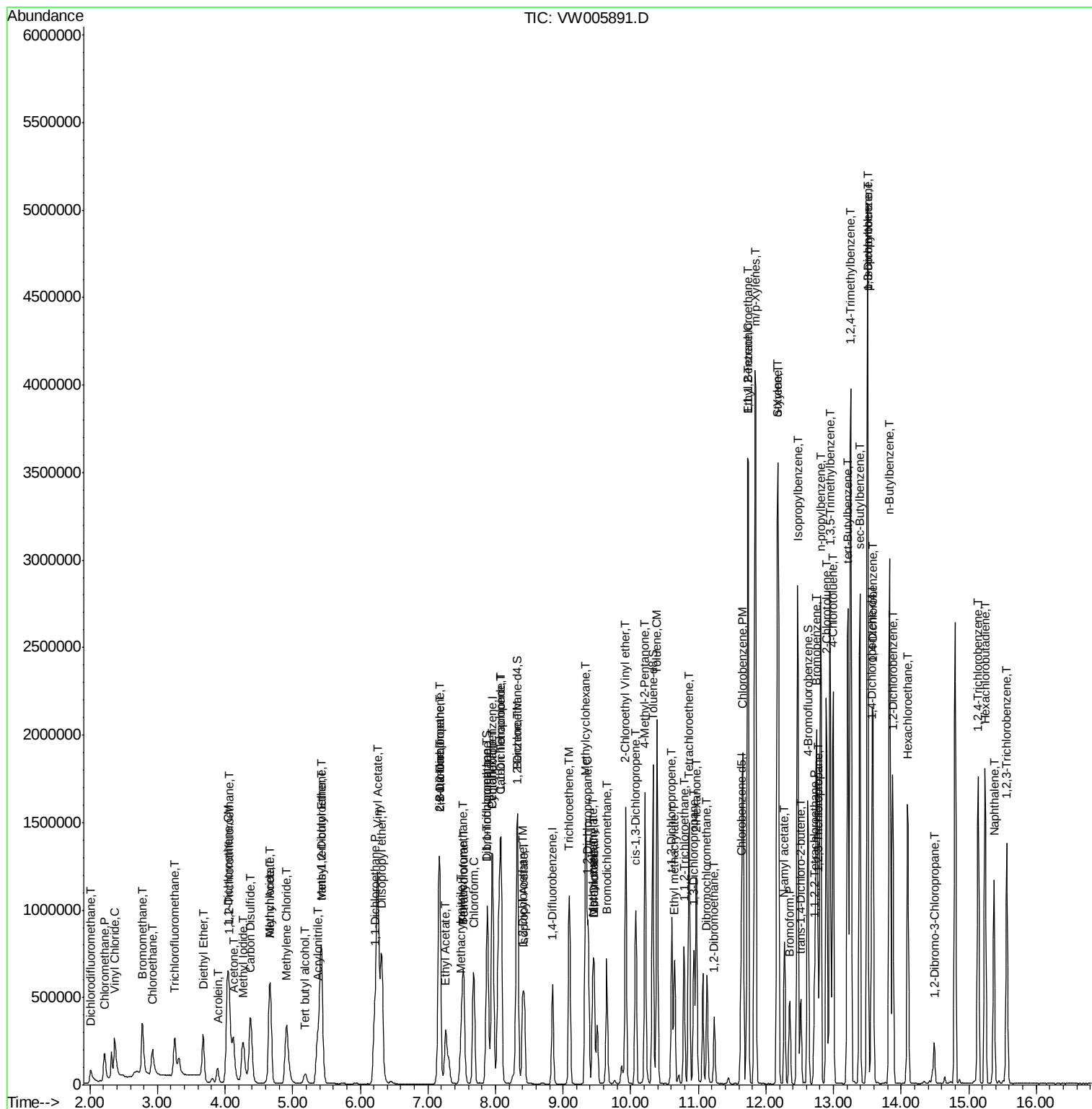
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	578040	100.857	ug/l	100
94) Hexachlorobutadiene	15.24	225	362261	101.264	ug/l	100
95) Naphthalene	15.38	128	1020869	103.338	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	503903	101.540	ug/l	100

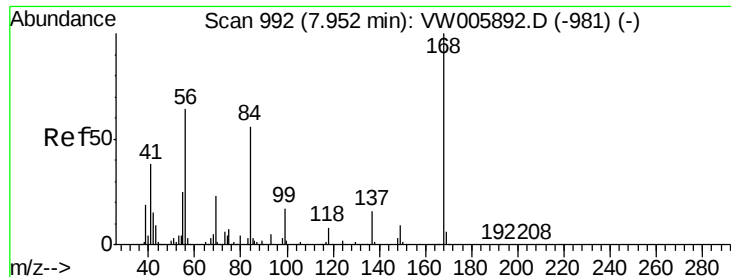
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Instrument :
MSVOA_W
Client Sample Id :
VSTDIC100

Quant Time: Oct 09 02:01:06 2018
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

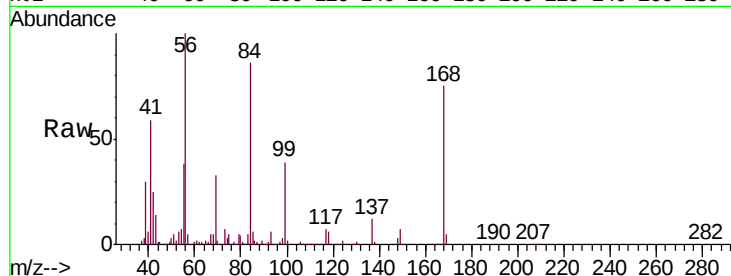
VSTDIC100

Tgt Ion: 168 Resp: 331368

Ion Ratio Lower Upper

168 100

99 51.2 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

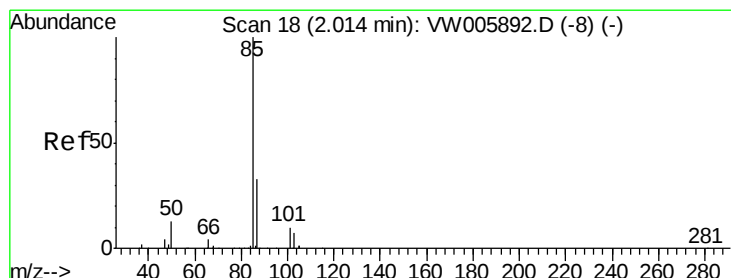
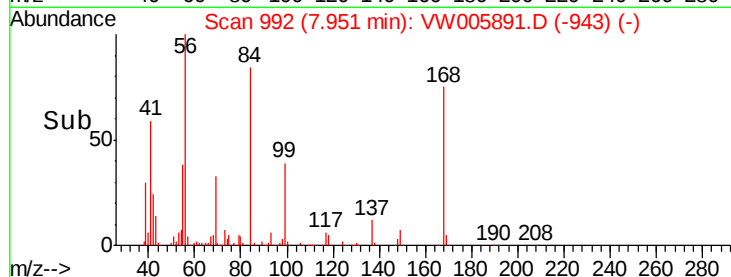
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 108.852 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005891.D

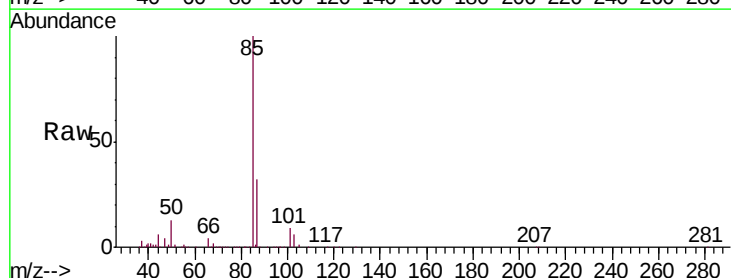
Acq: 08 Oct 2018 12:40

Tgt Ion: 85 Resp: 176759

Ion Ratio Lower Upper

85 100

87 32.5 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

20000

10000

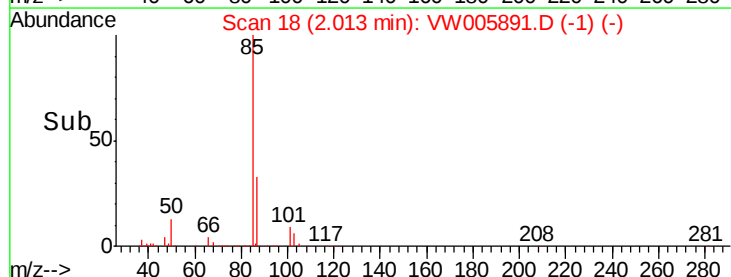
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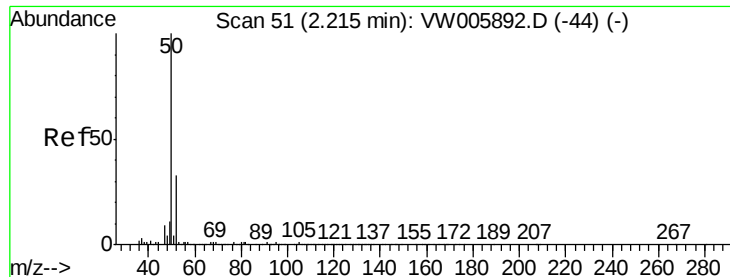
1.80

2.00

2.20

Time-->





#3

Chloromethane

Concen: 98.937 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

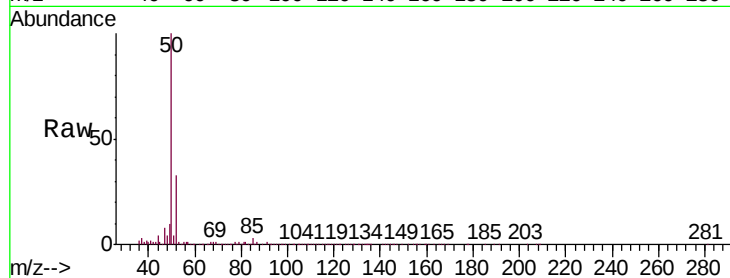
VSTDICC100

Tgt Ion: 50 Resp: 188976

Ion Ratio Lower Upper

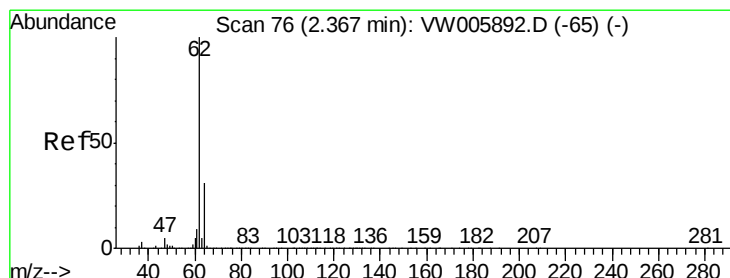
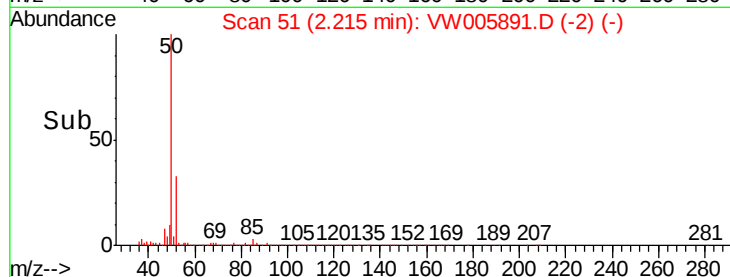
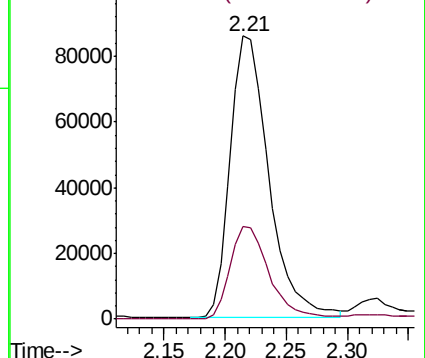
50 100

52 32.9 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 104.091 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005891.D

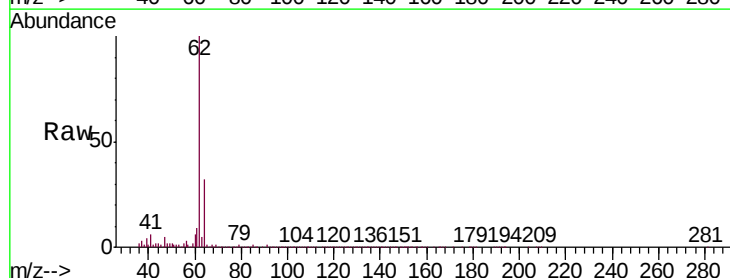
Acq: 08 Oct 2018 12:40

Tgt Ion: 62 Resp: 315646

Ion Ratio Lower Upper

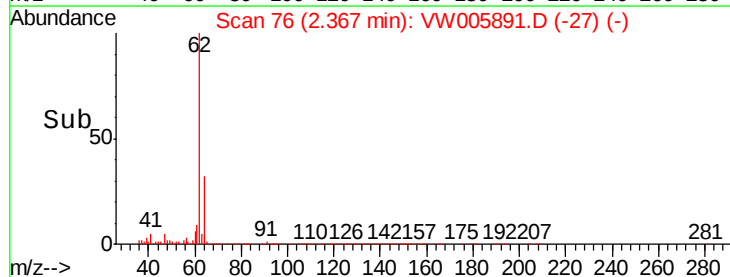
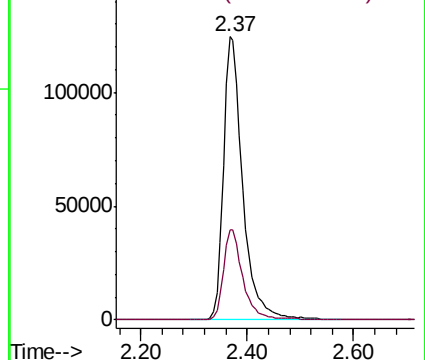
62 100

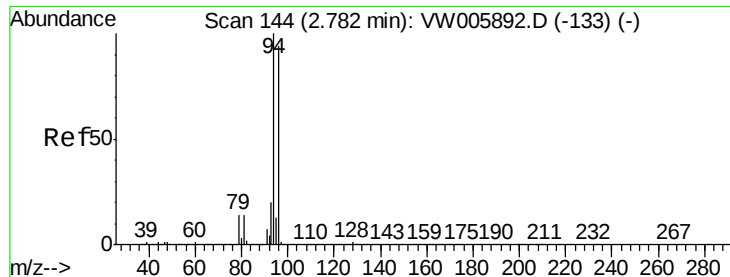
64 31.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 103.624 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

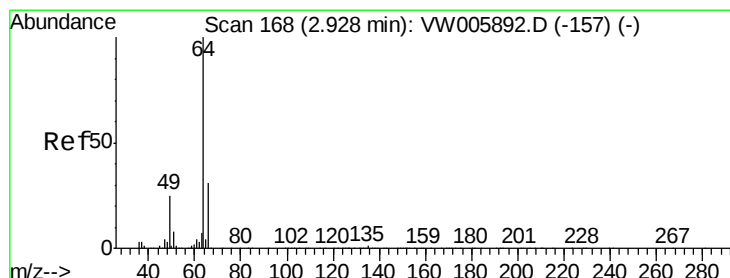
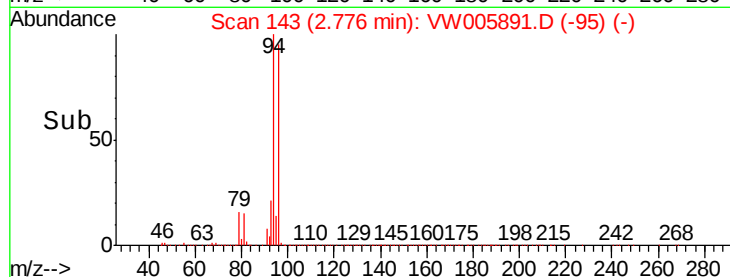
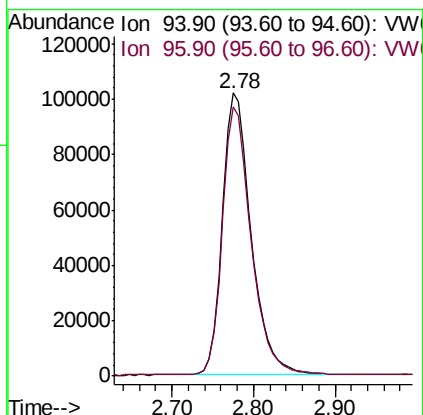
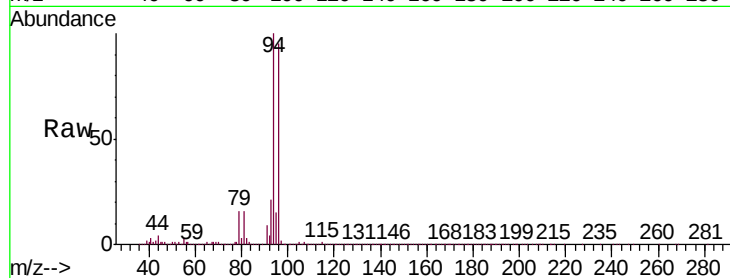
VSTDIC100

Tgt Ion: 94 Resp: 247994

Ion Ratio Lower Upper

94 100

96 95.1 75.0 112.4



#6

Chloroethane

Concen: 105.669 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW005891.D

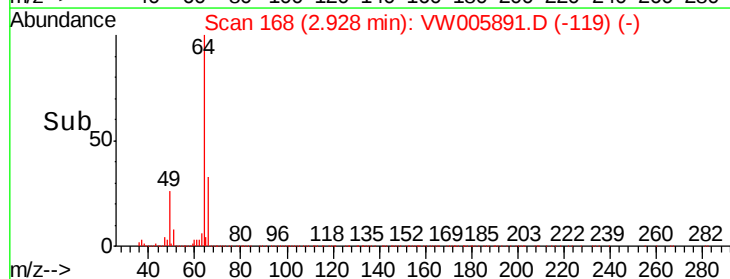
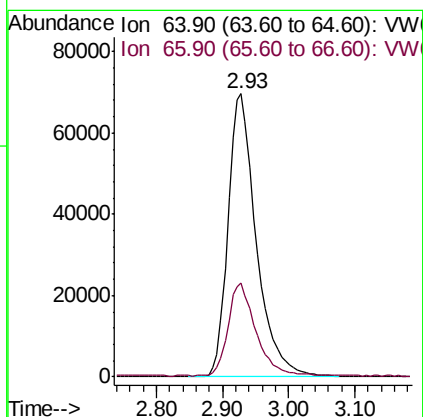
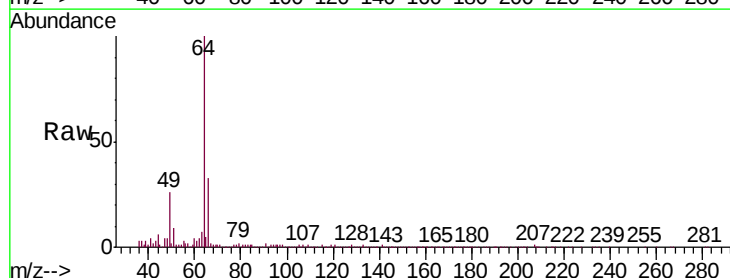
Acq: 08 Oct 2018 12:40

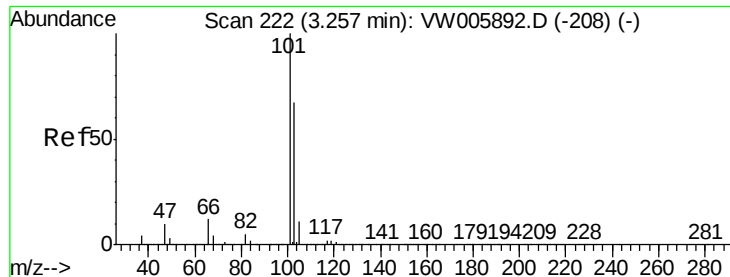
Tgt Ion: 64 Resp: 204152

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.4



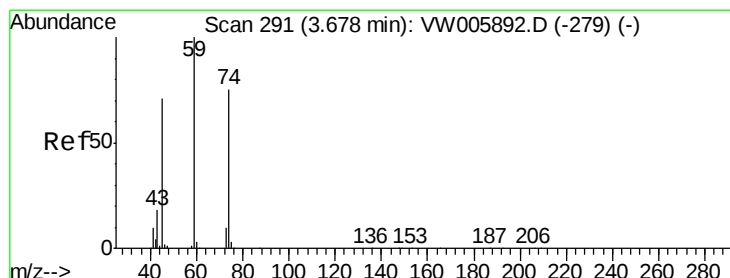
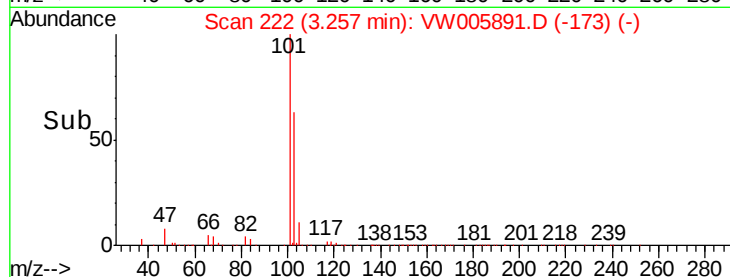
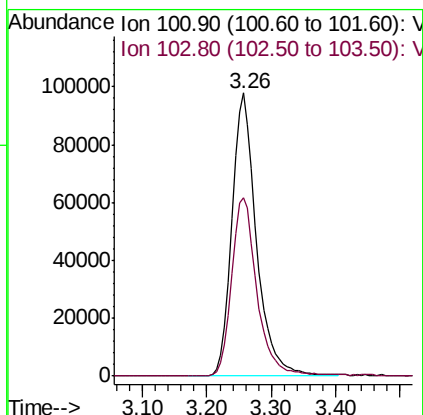
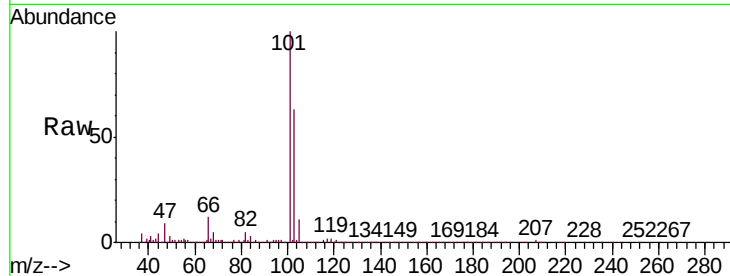


#7

Trichlorofluoromethane
Concen: 107.976 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW005891.D
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Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

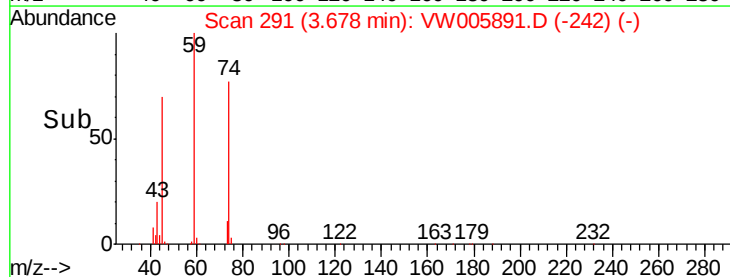
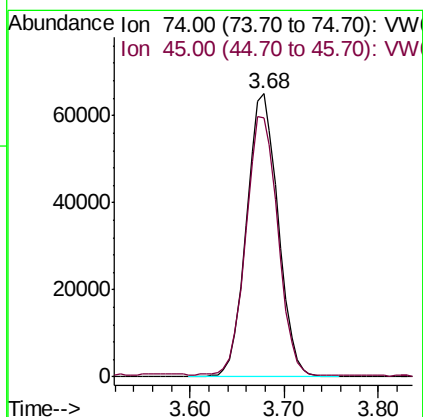
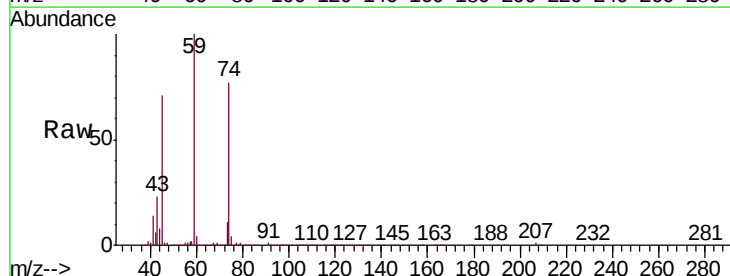
Tgt Ion: 101 Resp: 259908
Ion Ratio Lower Upper
101 100
103 63.1 53.5 80.3

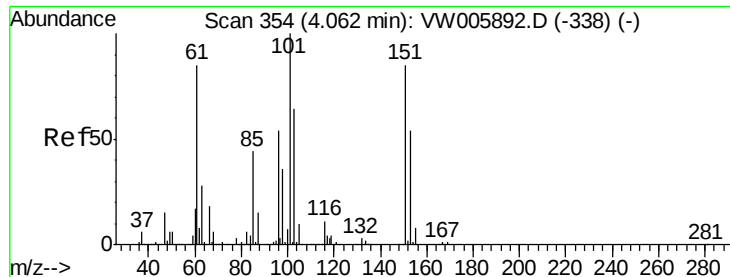


#8

Diethyl Ether
Concen: 102.025 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion: 74 Resp: 151140
Ion Ratio Lower Upper
74 100
45 93.3 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.446 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005891.D

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MSVOA_W

ClientSampleId :

VSTDIC100

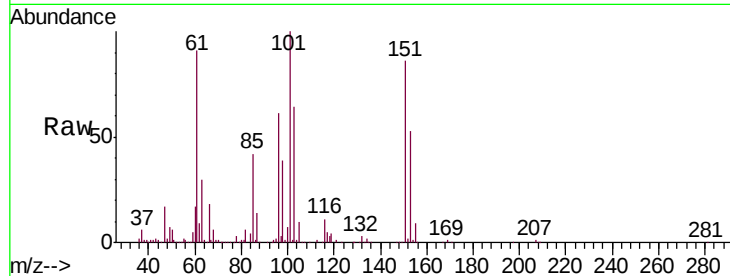
Tgt Ion:101 Resp: 308161

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

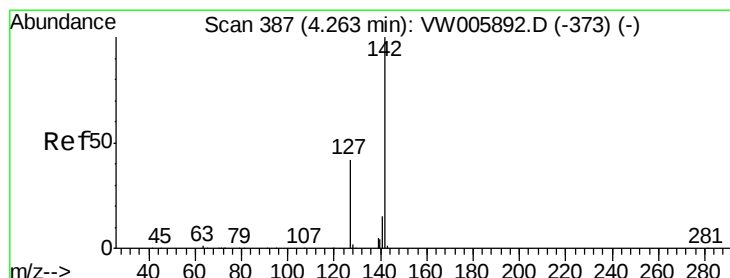
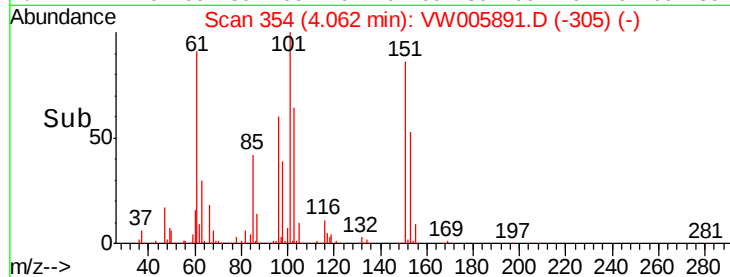
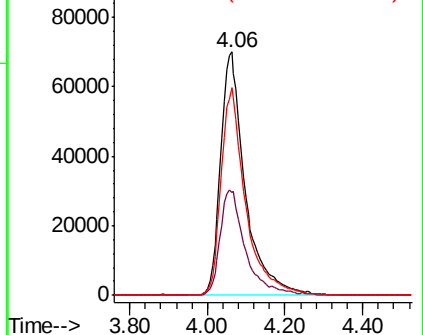
151 84.6 67.7 101.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 102.438 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

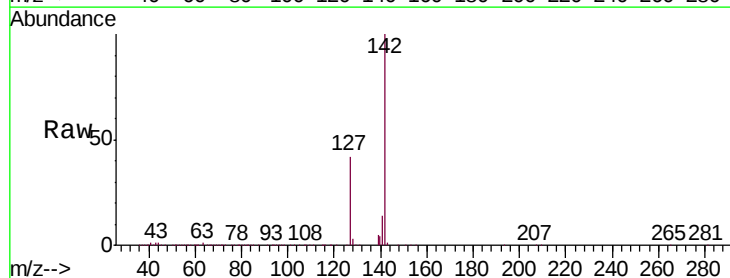
Tgt Ion:142 Resp: 508897

Ion Ratio Lower Upper

142 100

127 42.2 33.7 50.5

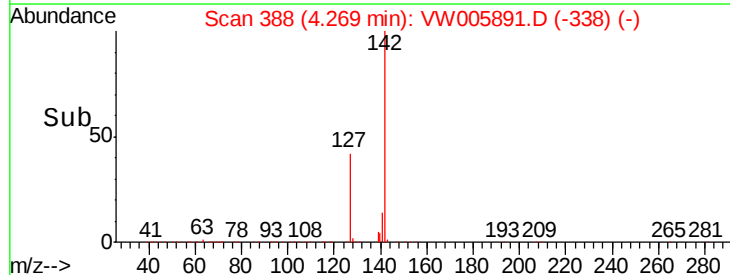
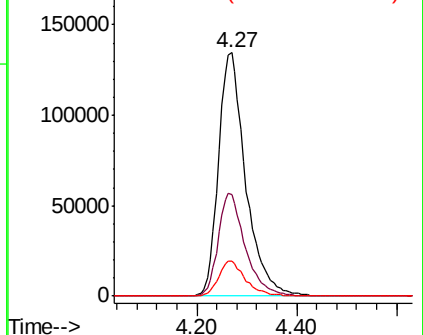
141 14.3 11.5 17.3

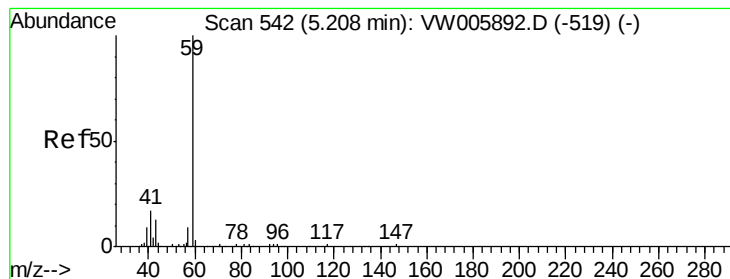


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 489.998 ug/l

RT: 5.19 min Scan# 539

Delta R.T. -0.02 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

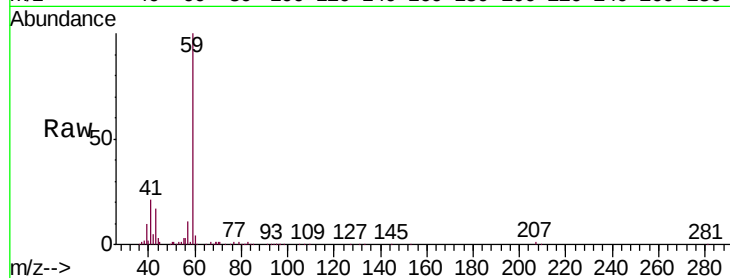
VSTDIC100

Tgt Ion: 59 Resp: 115520

Ion Ratio Lower Upper

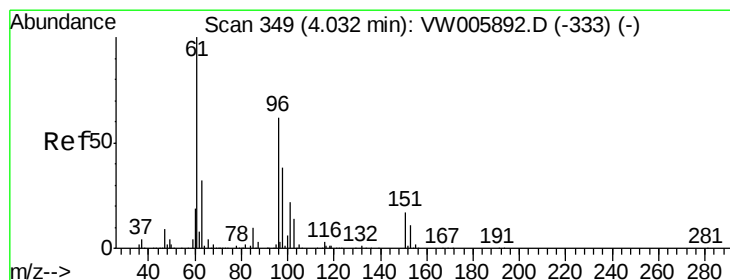
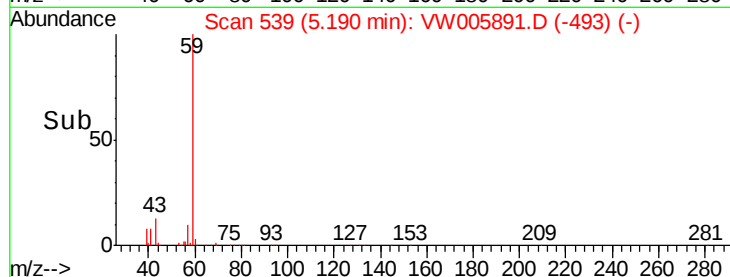
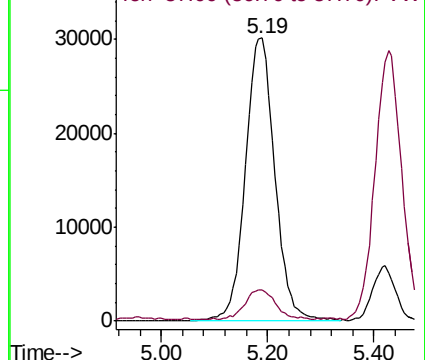
59 100

57 11.2 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 101.618 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

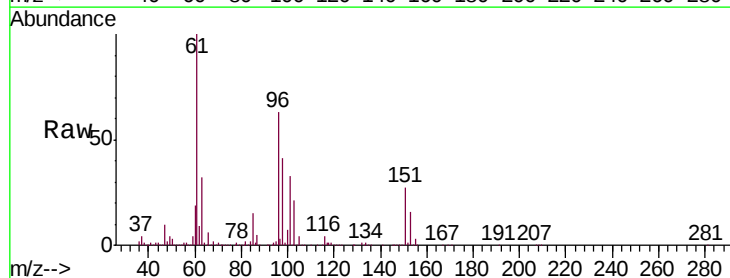
Tgt Ion: 96 Resp: 296427

Ion Ratio Lower Upper

96 100

61 158.8 128.6 193.0

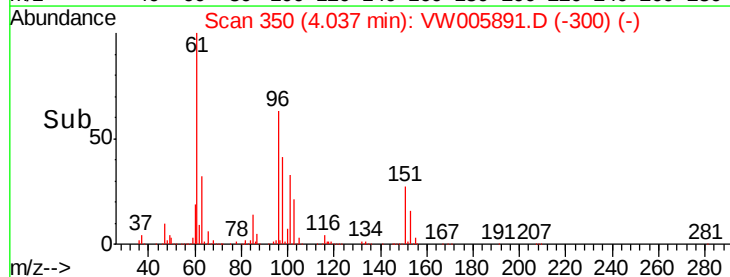
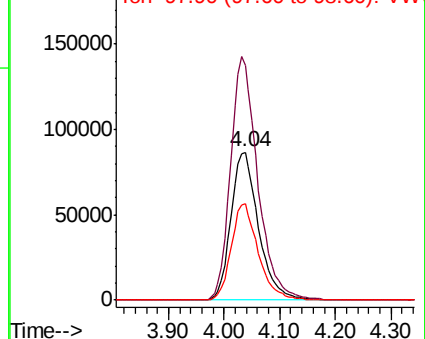
98 64.8 49.4 74.0

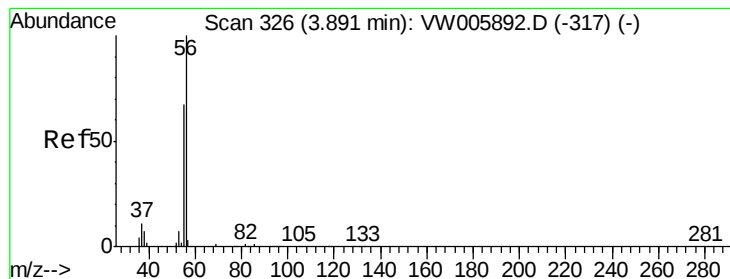


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 462.360 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

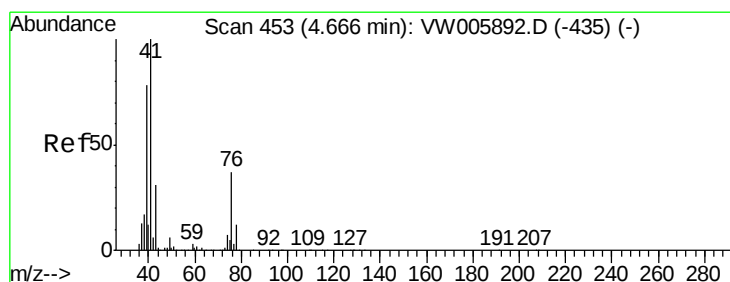
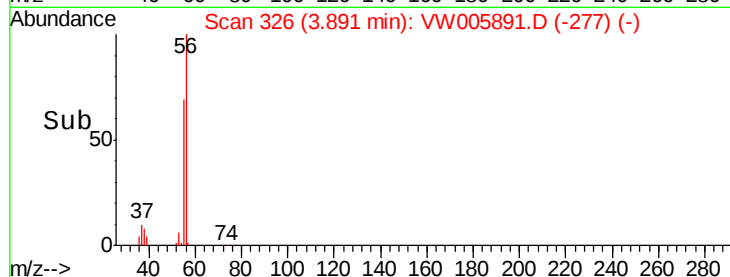
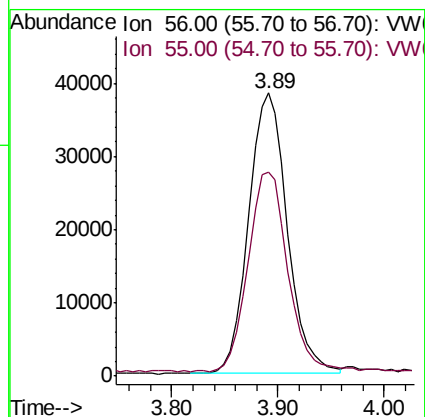
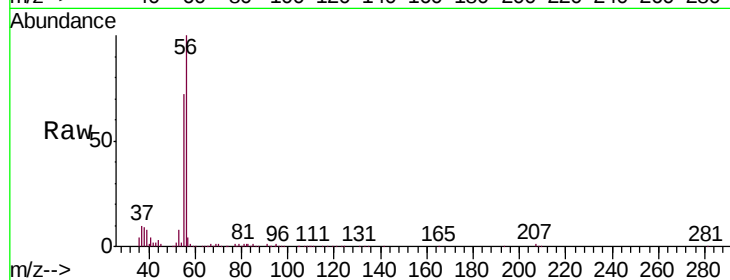
VSTDIC100

Tgt Ion: 56 Resp: 97138

Ion Ratio Lower Upper

56 100

55 72.5 54.6 82.0



#14

Allyl chloride

Concen: 100.020 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

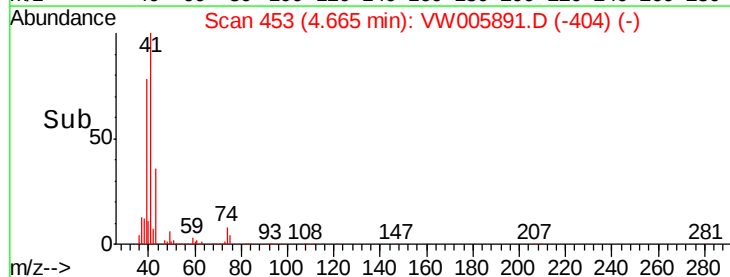
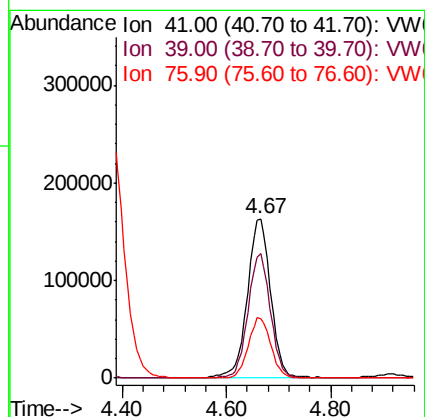
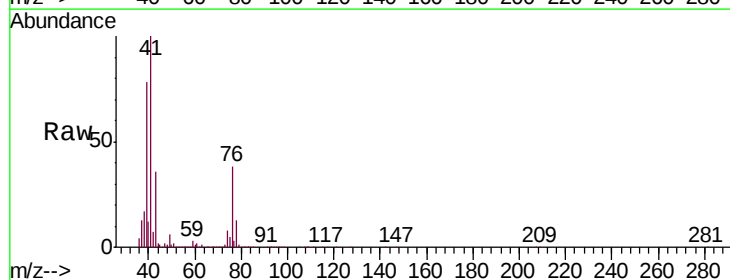
Tgt Ion: 41 Resp: 497551

Ion Ratio Lower Upper

41 100

39 75.5 60.8 91.2

76 36.5 29.6 44.4





#15

Acrylonitrile

Concen: 522.484 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

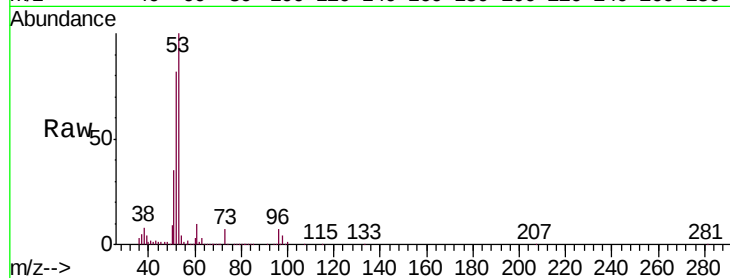
Tgt Ion: 53 Resp: 336846

Ion Ratio Lower Upper

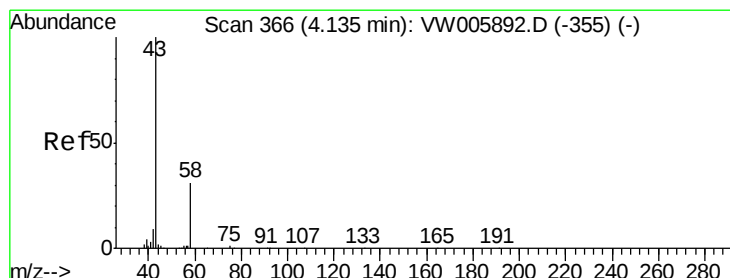
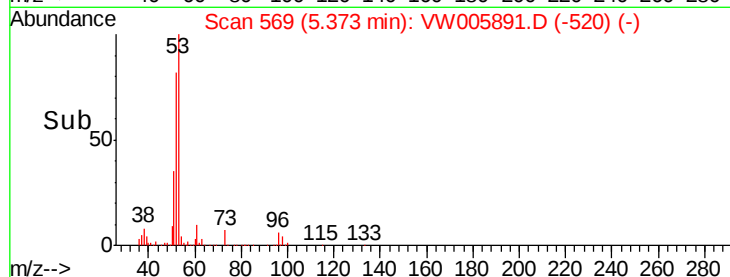
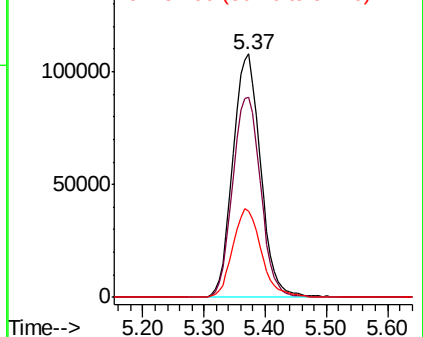
53 100

52 83.5 66.8 100.2

51 37.4 29.8 44.6



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



#16

Acetone

Concen: 488.712 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005891.D

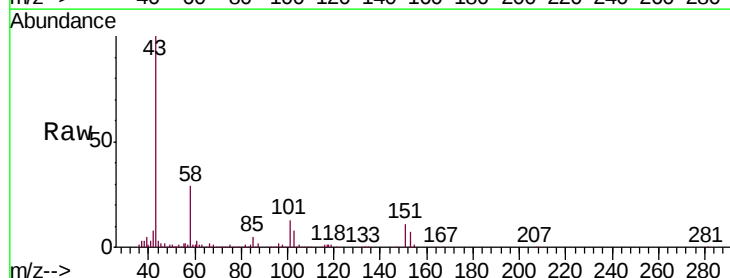
Acq: 08 Oct 2018 12:40

Tgt Ion: 43 Resp: 314017

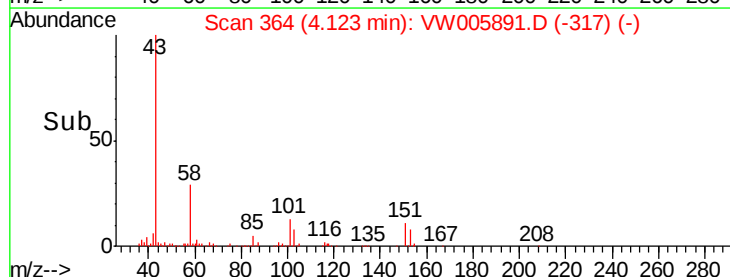
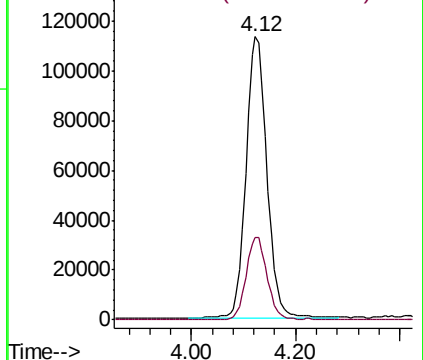
Ion Ratio Lower Upper

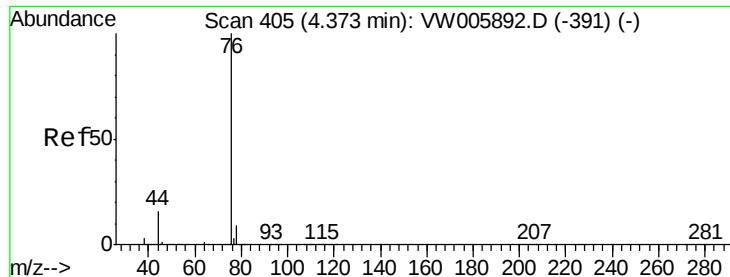
43 100

58 29.1 24.7 37.1



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

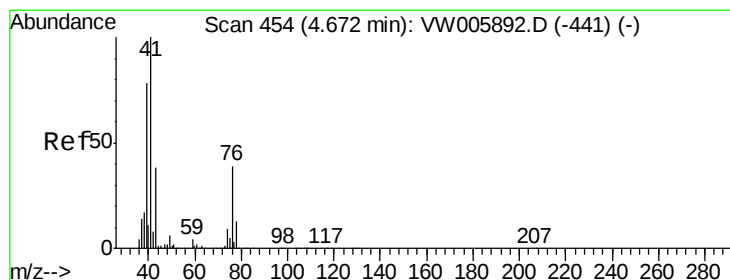
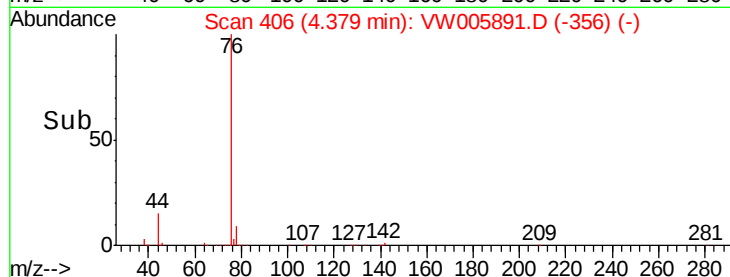
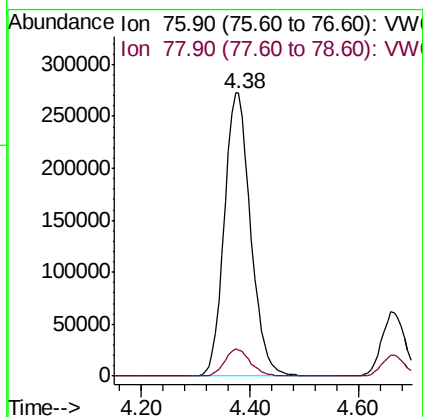
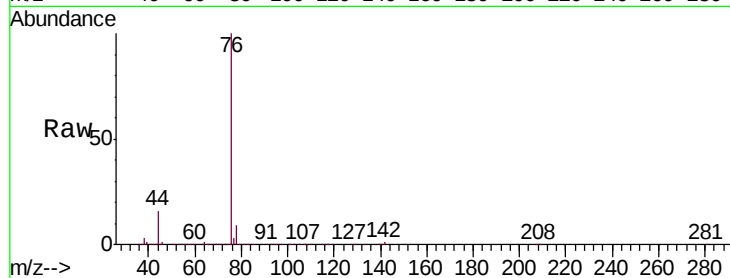




#17
Carbon Disulfide
Concen: 104.038 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

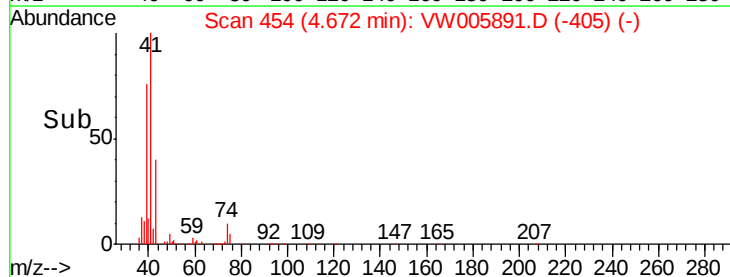
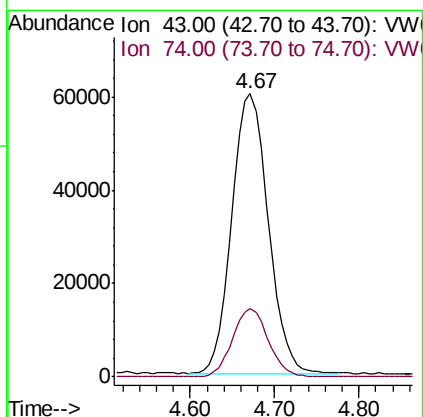
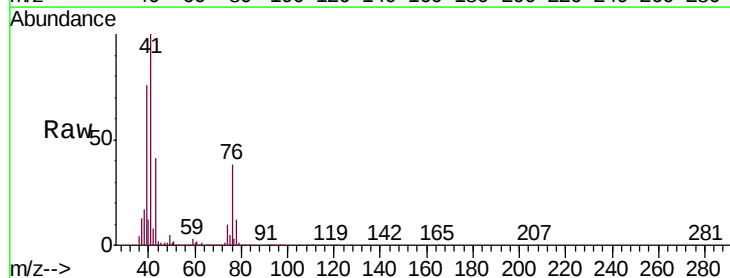
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

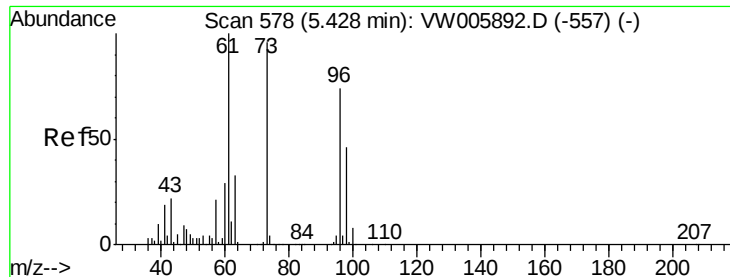
Tgt Ion: 76 Resp: 917510
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 108.568 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion: 43 Resp: 176038
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8

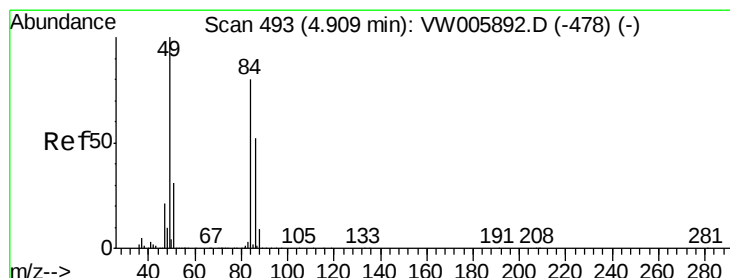
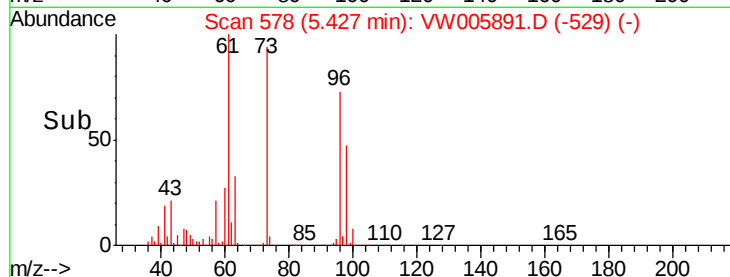
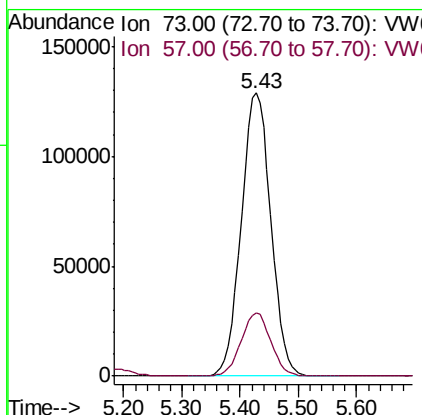
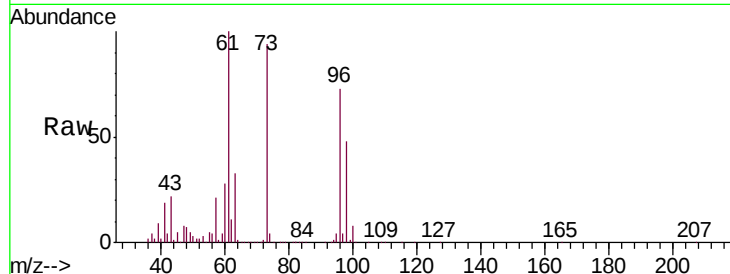




#19
Methyl tert-butyl Ether
Concen: 99.717 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

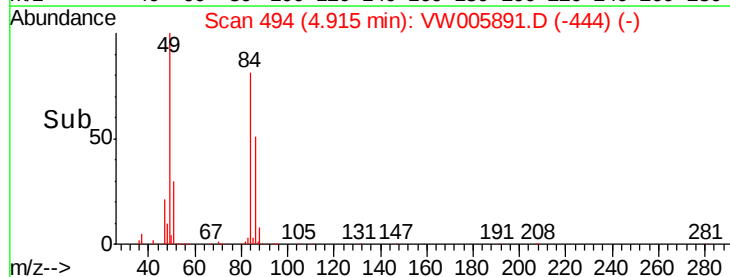
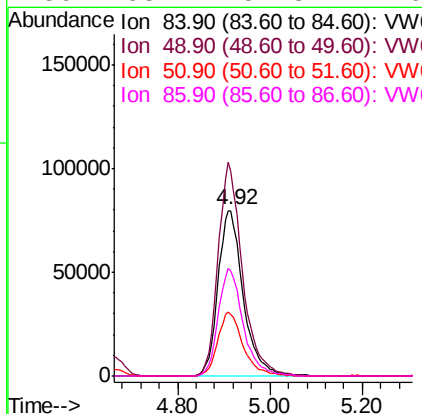
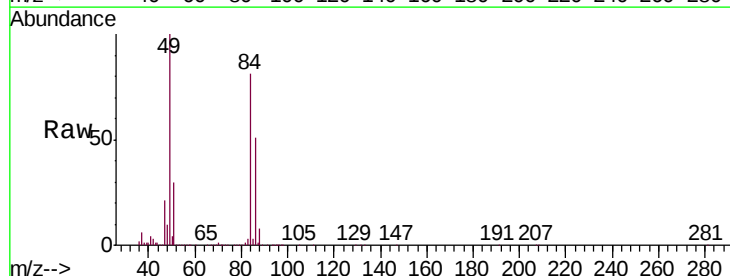
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

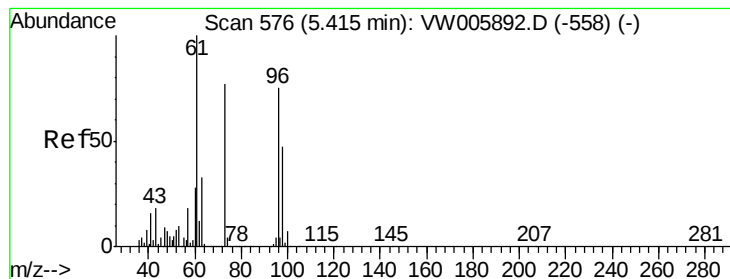
Tgt Ion: 73 Resp: 452540
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5



#20
Methylene Chloride
Concen: 93.175 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion: 84 Resp: 299950
Ion Ratio Lower Upper
84 100
49 123.7 99.9 149.9
51 37.0 31.1 46.7
86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 103.239 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

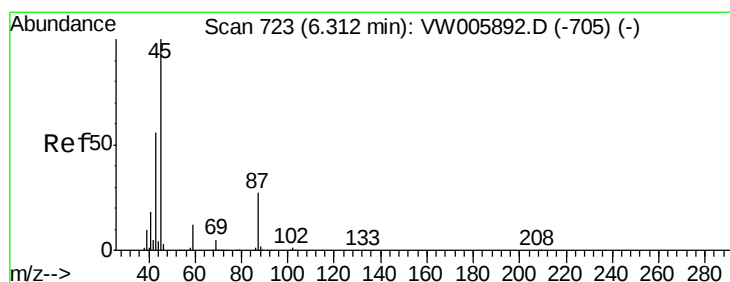
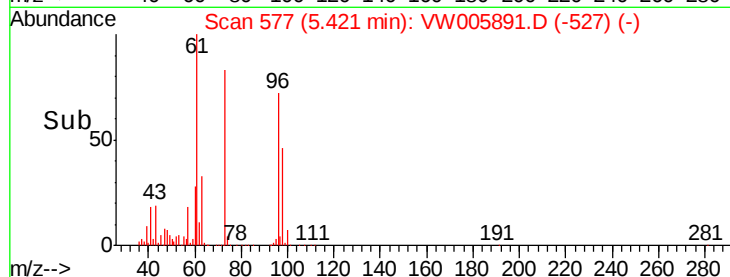
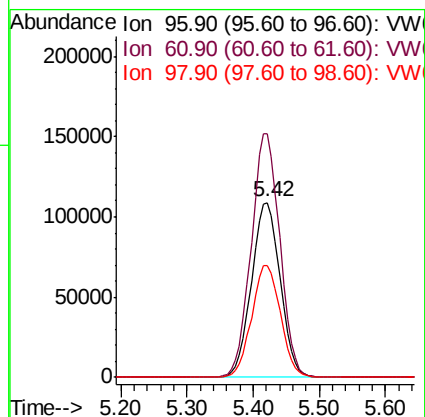
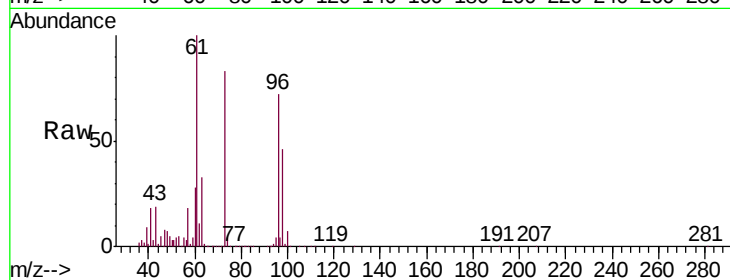
Tgt Ion: 96 Resp: 328233

Ion Ratio Lower Upper

96 100

61 139.5 107.4 161.0

98 64.3 50.8 76.2



#22

Diisopropyl ether

Concen: 101.779 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Tgt Ion: 45 Resp: 946472

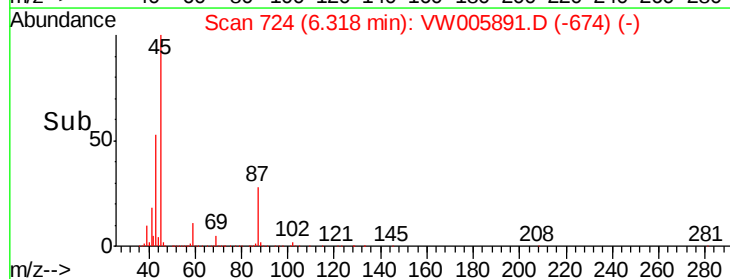
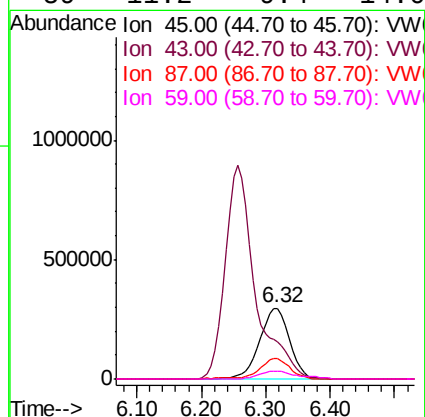
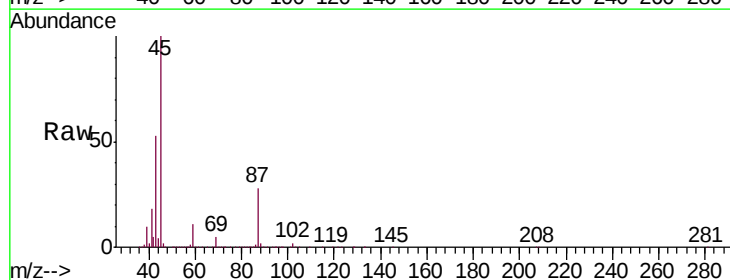
Ion Ratio Lower Upper

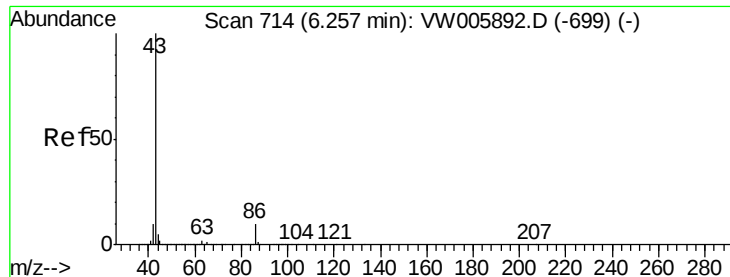
45 100

43 53.2 45.9 68.9

87 28.0 22.2 33.4

59 11.2 9.4 14.0

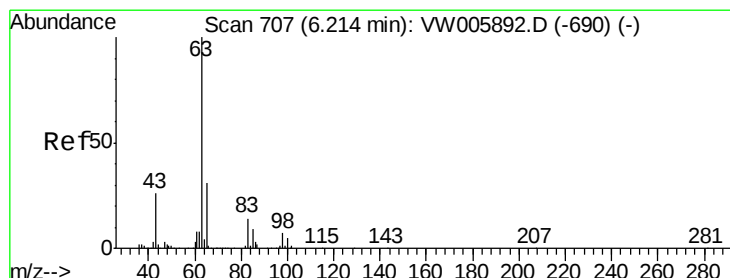
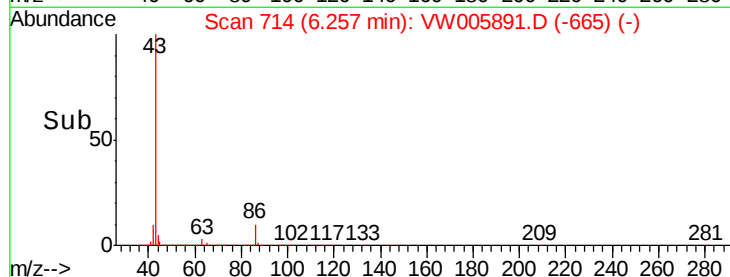
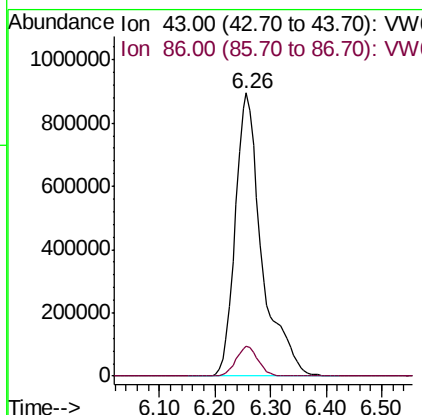
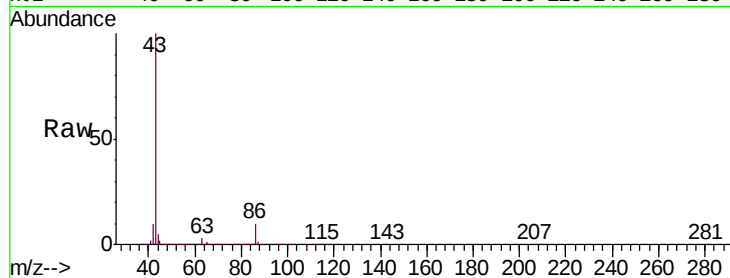




#23
 Vinyl Acetate
 Concen: 515.445 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

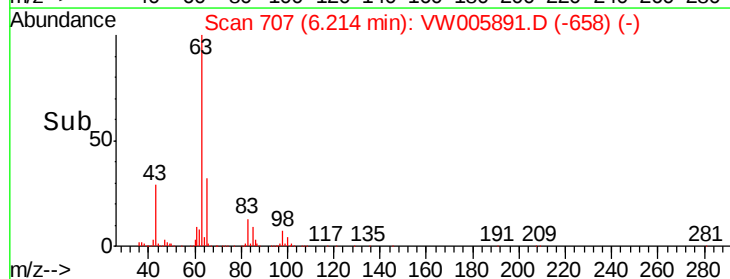
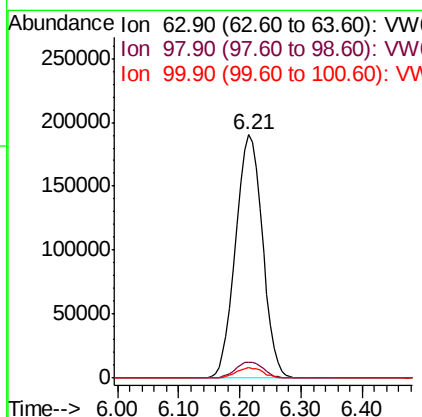
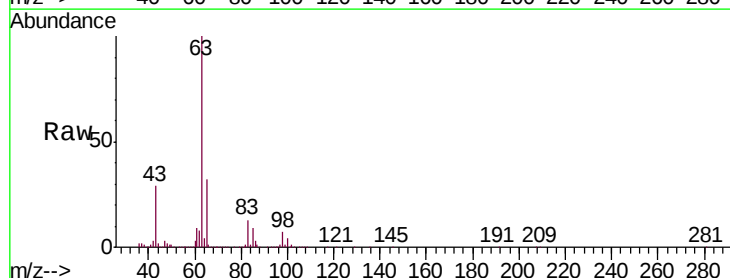
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 2950193
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 101.632 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion: 63 Resp: 578366
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.6
 100 4.1 2.4 7.1





#25

2-Butanone

Concen: 506.015 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

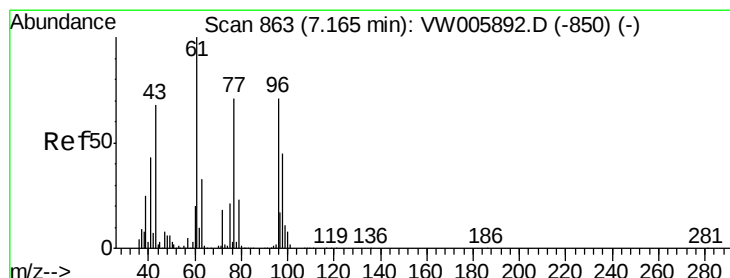
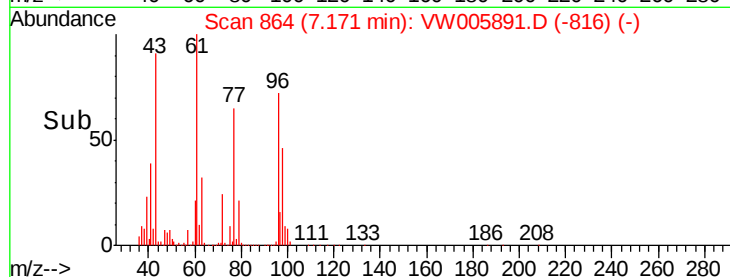
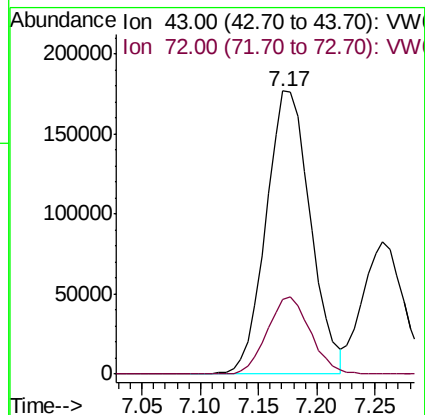
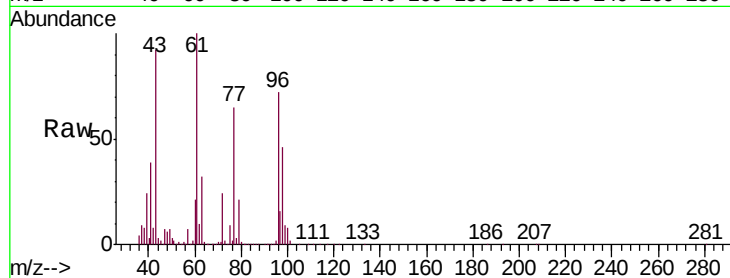
VSTDIC100

Tgt Ion: 43 Resp: 462448

Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.4



#26

2,2-Dichloropropane

Concen: 93.627 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW005891.D

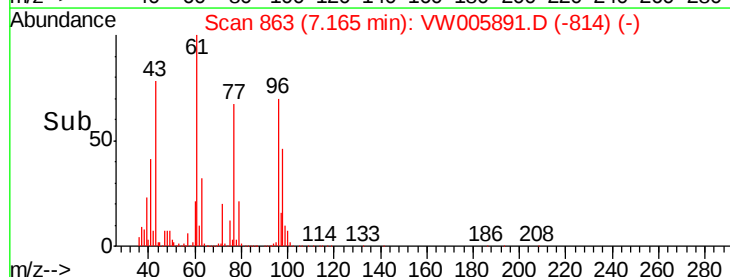
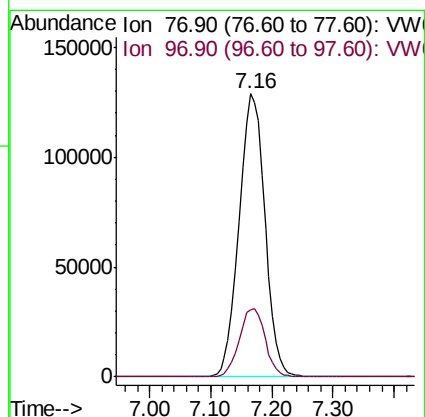
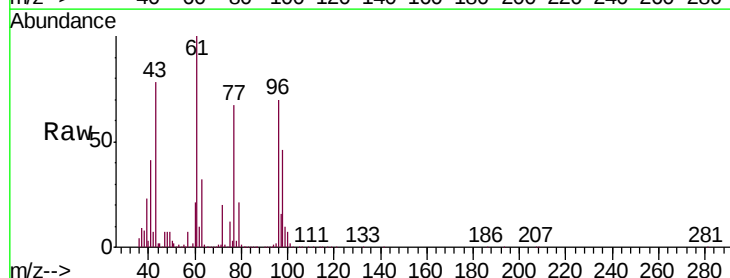
Acq: 08 Oct 2018 12:40

Tgt Ion: 77 Resp: 374981

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.7



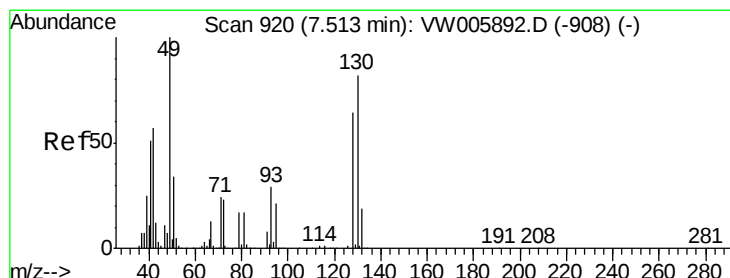
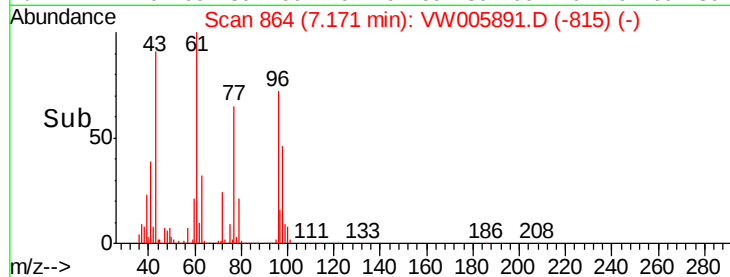
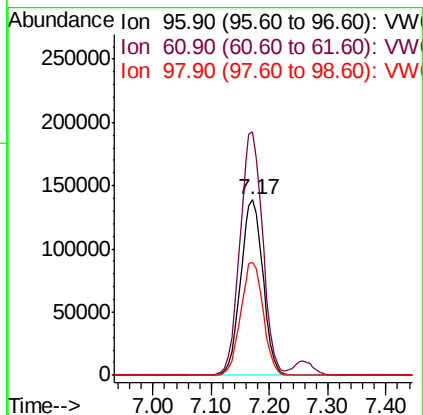
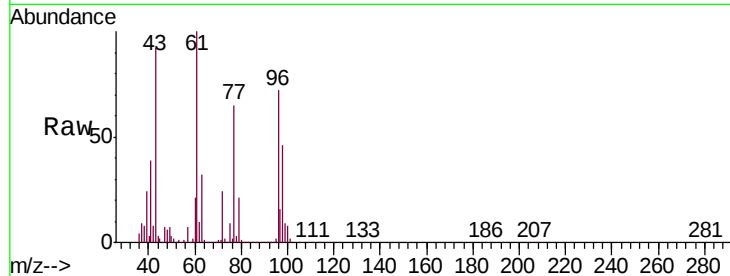


#27

cis-1,2-Dichloroethene
 Concen: 102.293 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

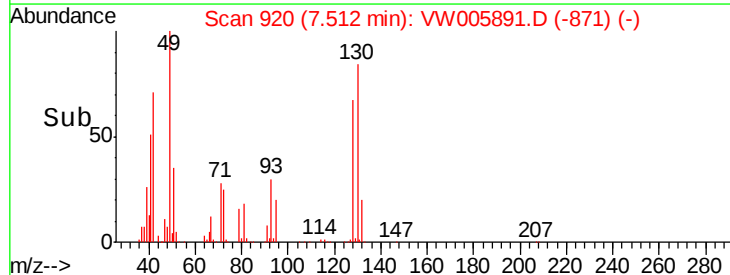
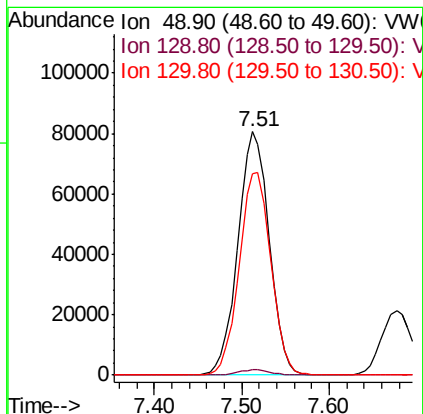
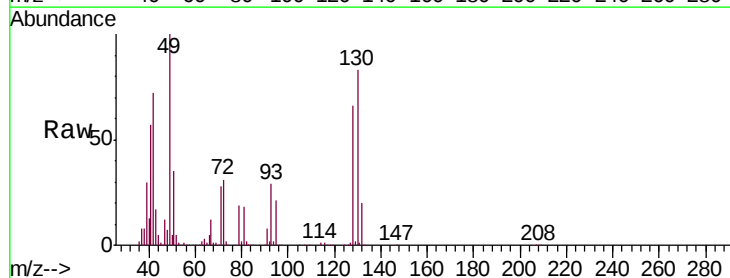
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	284.0
98	64.9	0.0	129.8

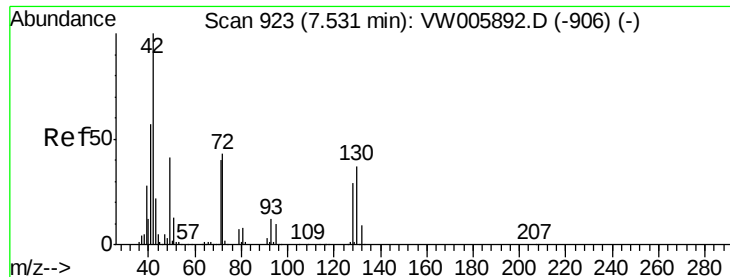


#28

Bromochloromethane
 Concen: 95.548 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	84.0	66.9	100.3





#29

Tetrahydrofuran

Concen: 521.607 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

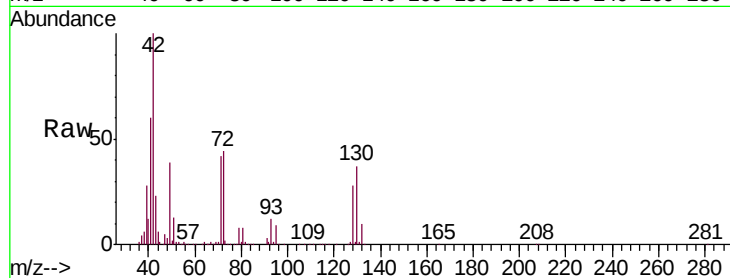
Tgt Ion: 42 Resp: 301342

Ion Ratio Lower Upper

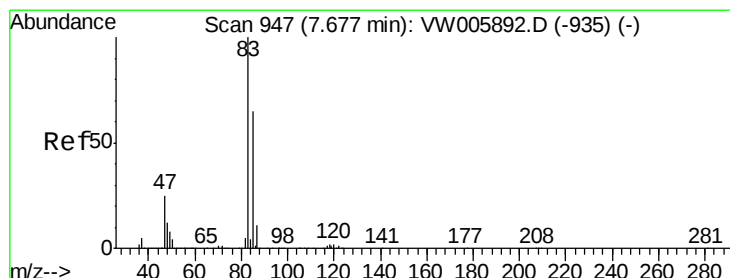
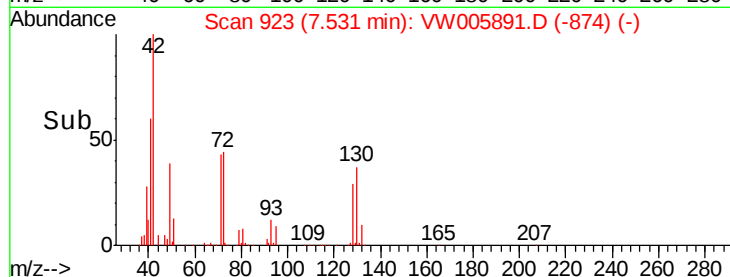
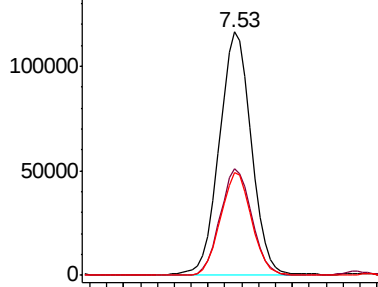
42 100

72 43.2 34.6 51.8

71 41.0 32.6 49.0



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: 102.579 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005891.D

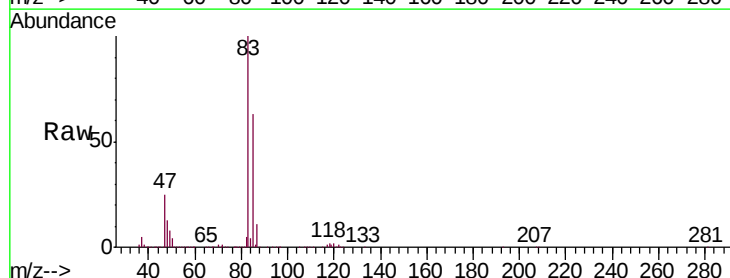
Acq: 08 Oct 2018 12:40

Tgt Ion: 83 Resp: 599604

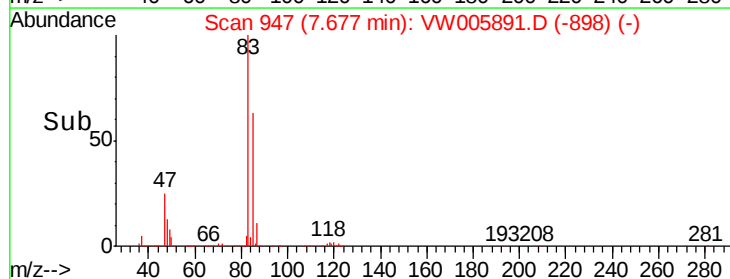
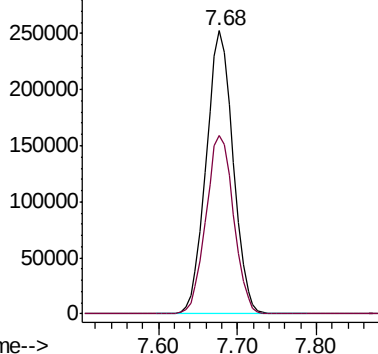
Ion Ratio Lower Upper

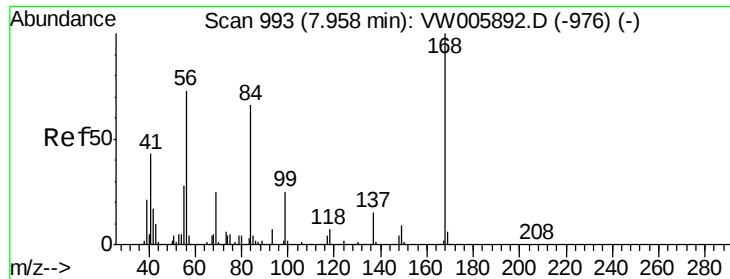
83 100

85 63.3 51.6 77.4



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

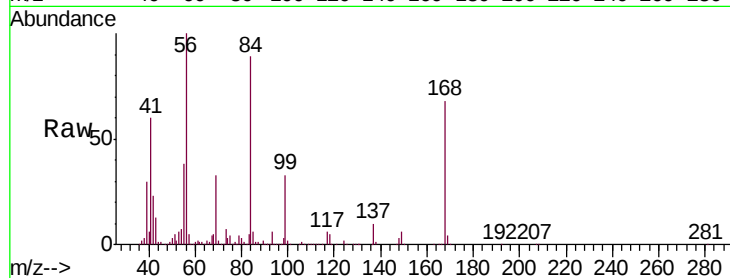




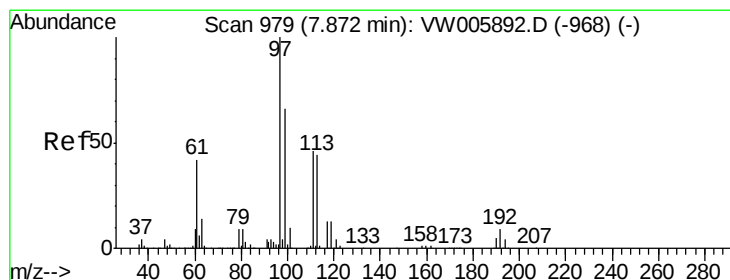
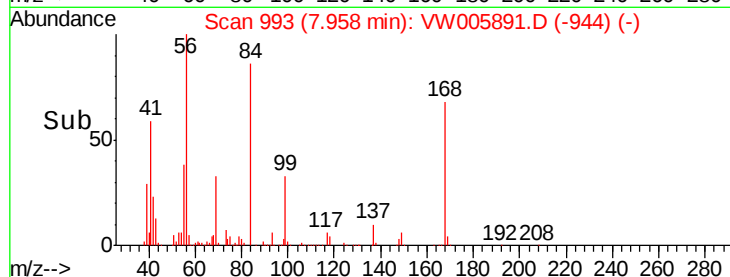
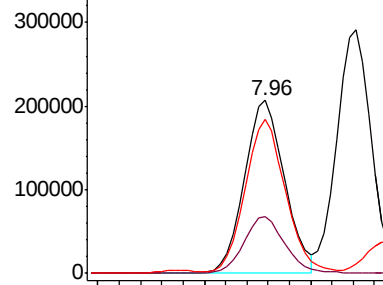
#31
Cyclohexane
Concen: 95.638 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 538600
Ion Ratio Lower Upper
56 100
69 33.1 27.9 41.9
84 87.7 72.3 108.5

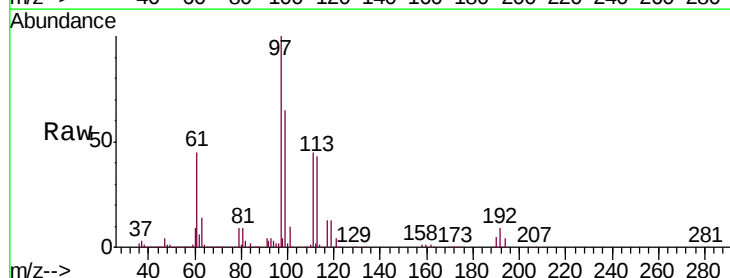


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

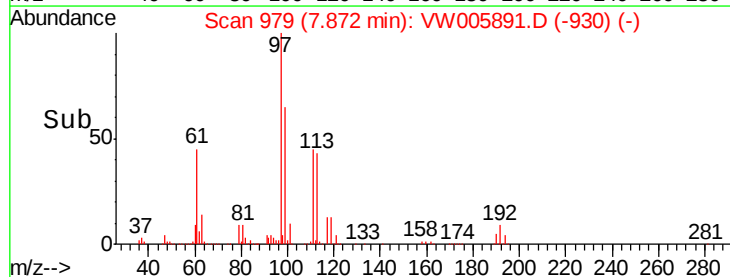
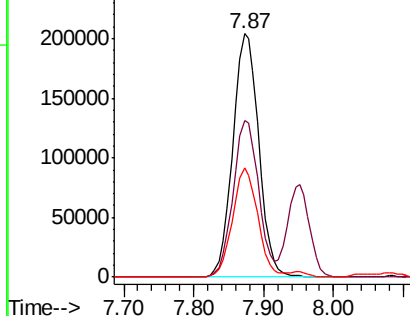


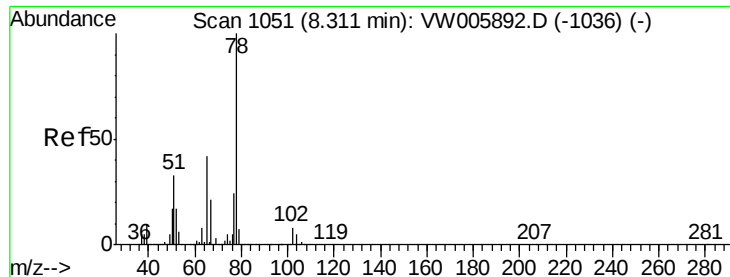
#32
1,1,1-Trichloroethane
Concen: 100.850 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion: 97 Resp: 524983
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 43.6 34.5 51.7



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





#33

1,2-Dichloroethane-d4

Concen: 101.571 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

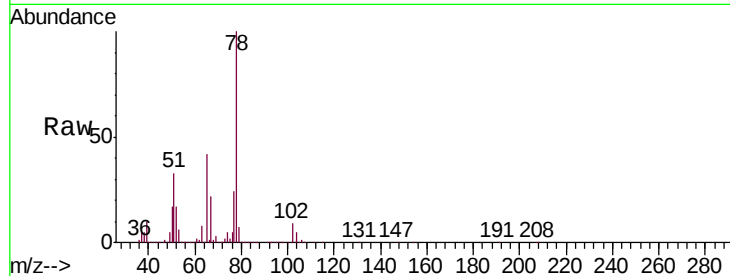
VSTDIC100

Tgt Ion: 65 Resp: 326739

Ion Ratio Lower Upper

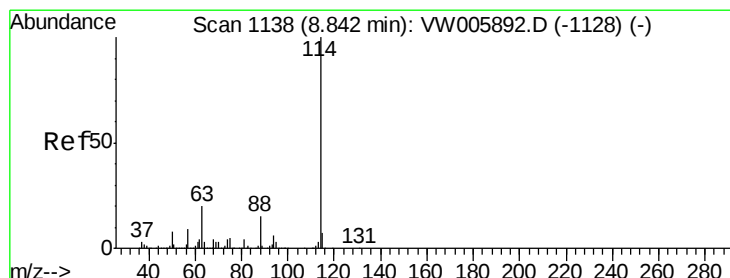
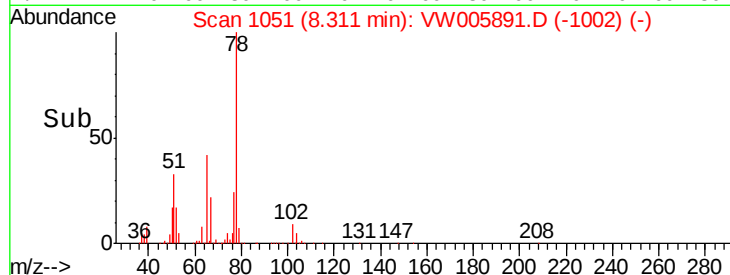
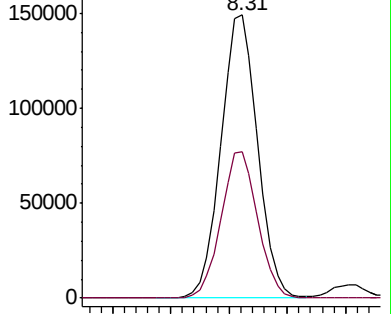
65 100

67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

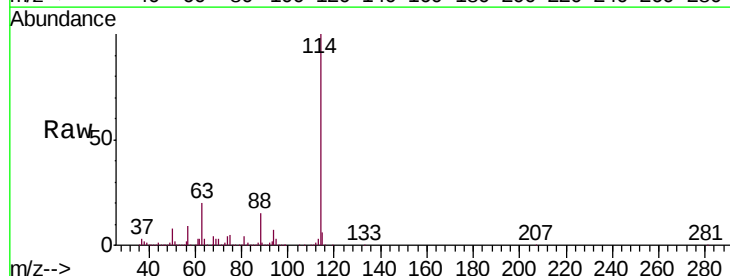
Tgt Ion: 114 Resp: 489261

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

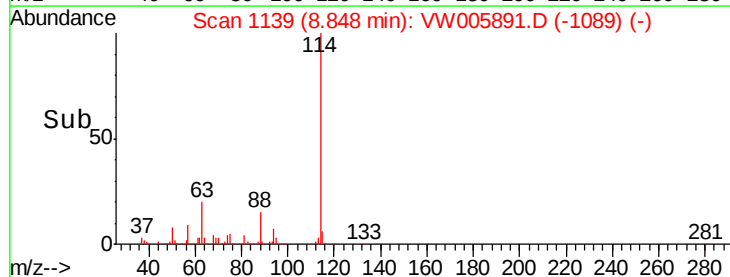
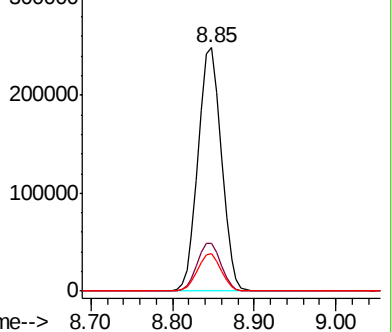
88 15.3 0.0 30.8

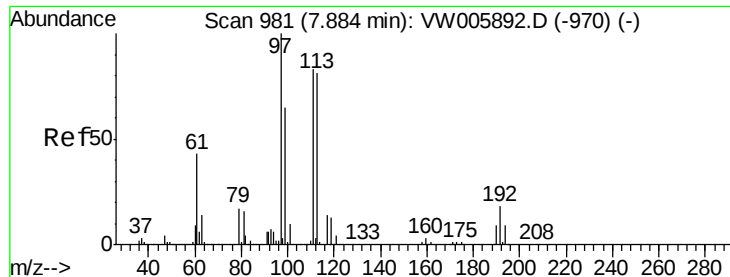


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

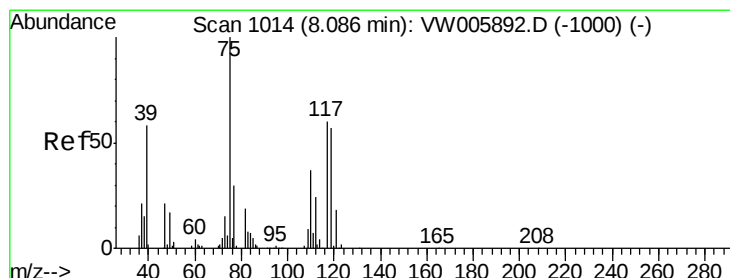
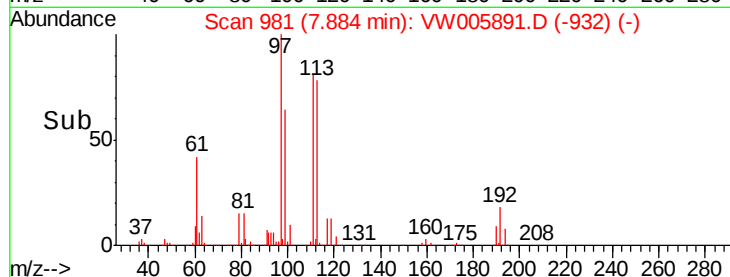
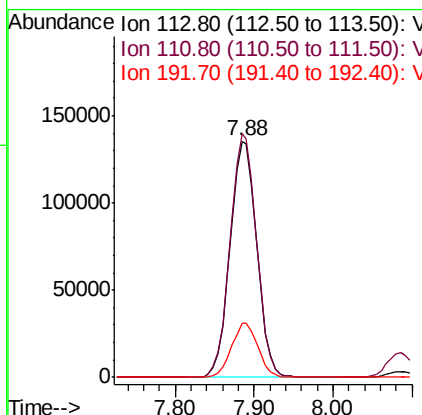
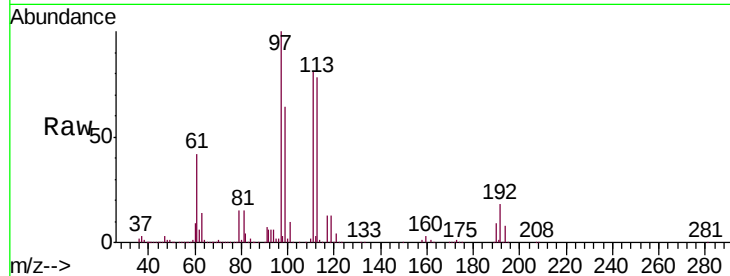




#35
 Dibromofluoromethane
 Concen: 102.040 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

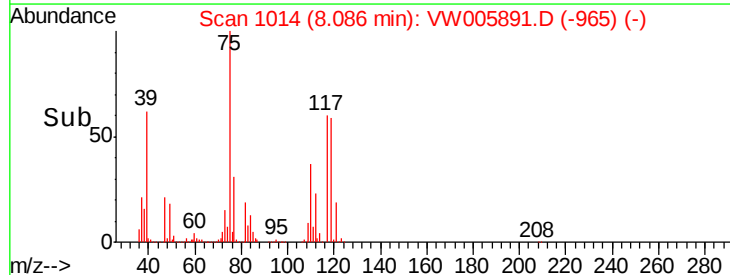
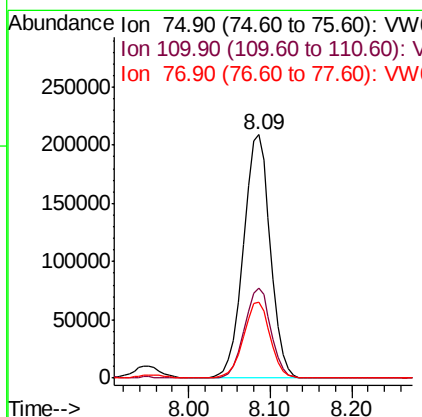
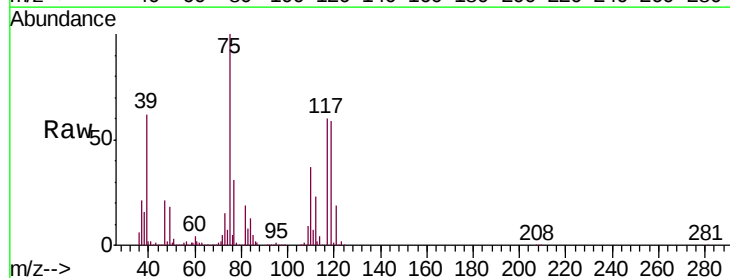
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

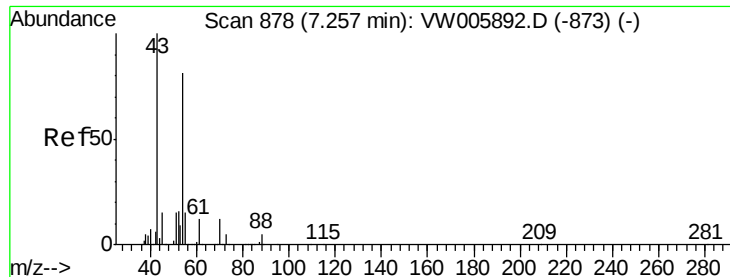
Tgt Ion: 113 Resp: 318743
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.0 123.0
 192 22.6 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 101.760 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion: 75 Resp: 477058
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.6 56.0
 77 31.1 24.7 37.1

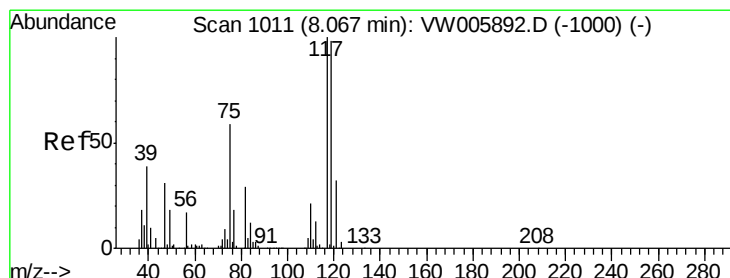
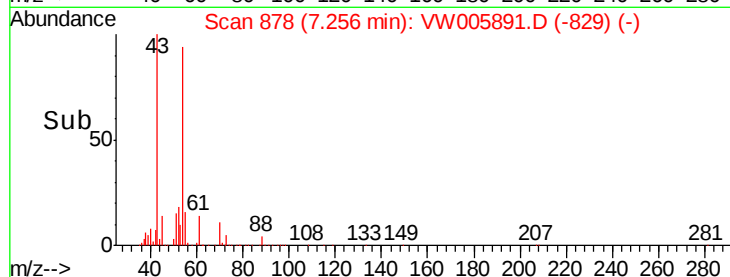
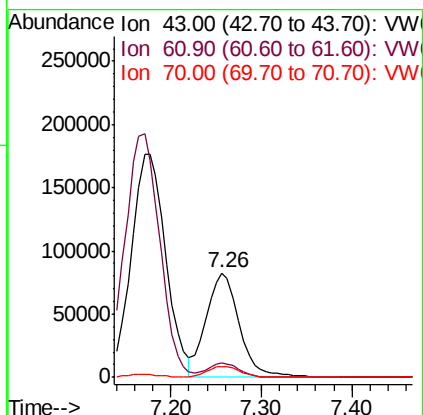
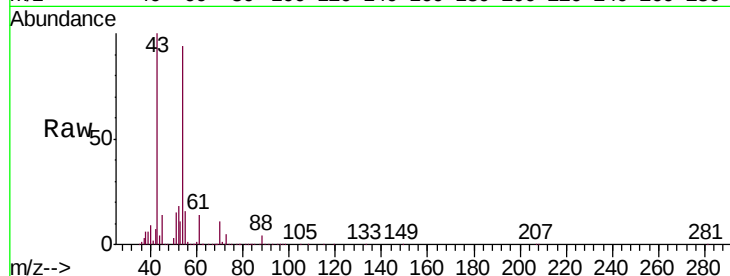




#37
Ethyl Acetate
Concen: 103.851 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

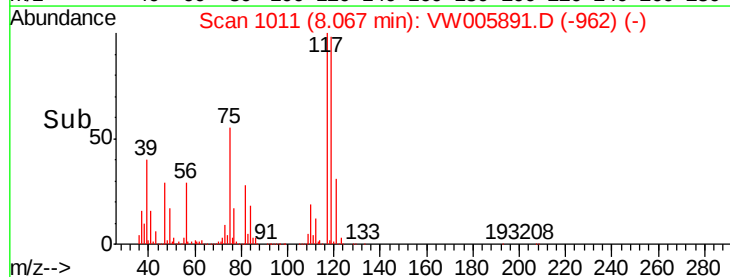
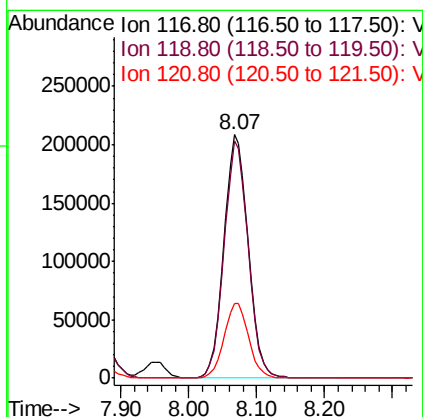
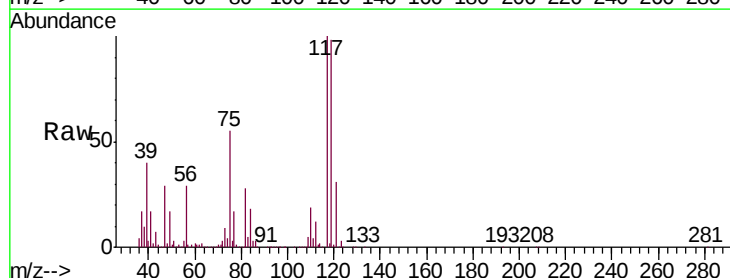
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

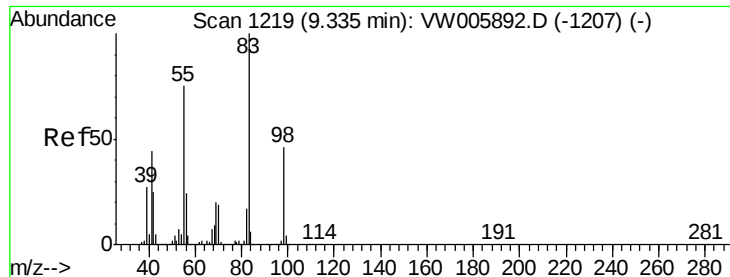
Tgt Ion: 43 Resp: 206174
Ion Ratio Lower Upper
43 100
61 13.6 10.6 16.0
70 10.7 8.6 13.0



#38
Carbon Tetrachloride
Concen: 102.542 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion: 117 Resp: 516480
Ion Ratio Lower Upper
117 100
119 97.6 78.6 117.8
121 30.6 25.3 37.9

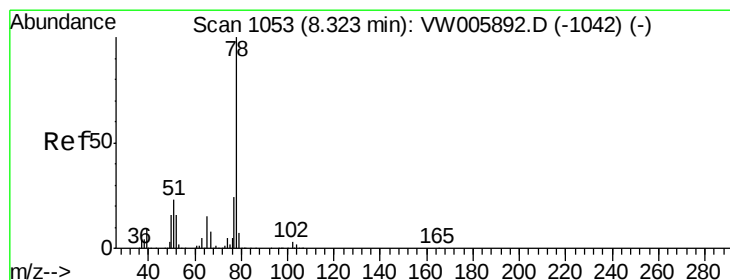
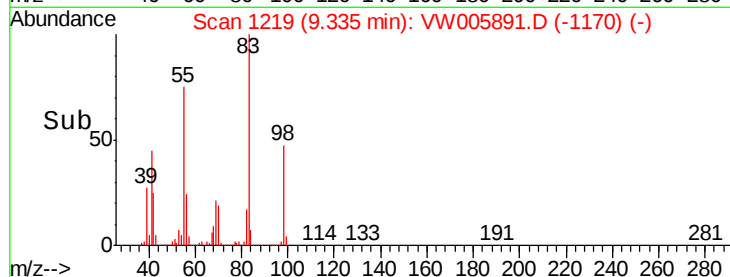
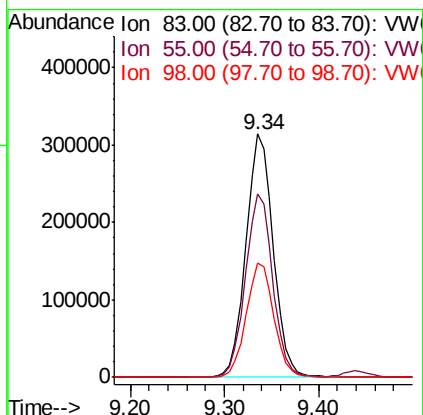
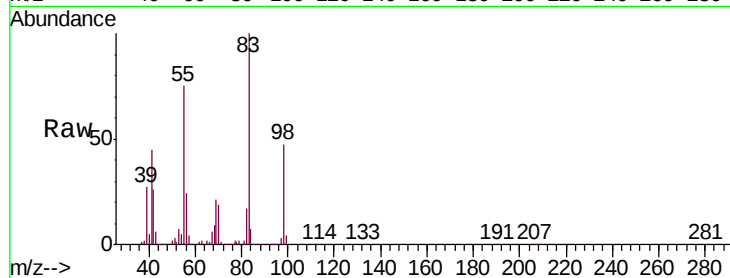




#39
Methylcyclohexane
Concen: 103.226 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

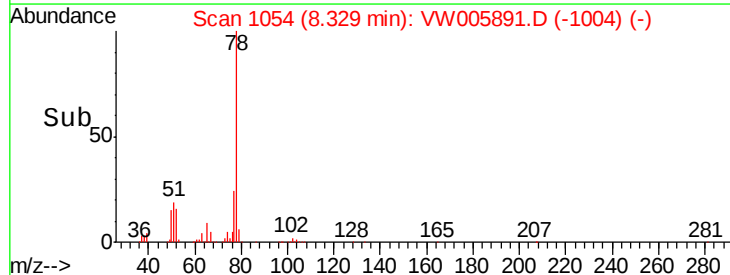
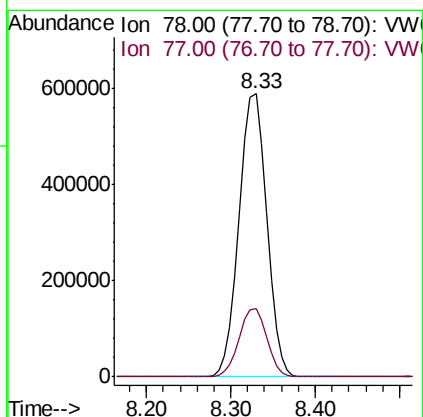
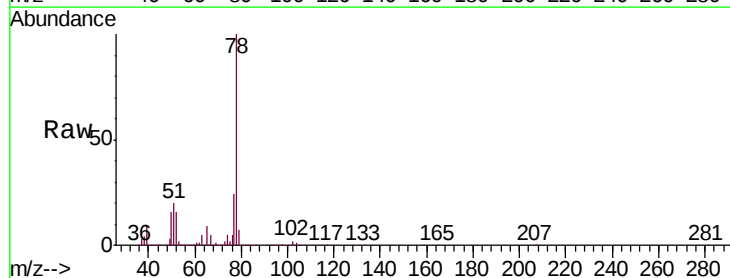
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

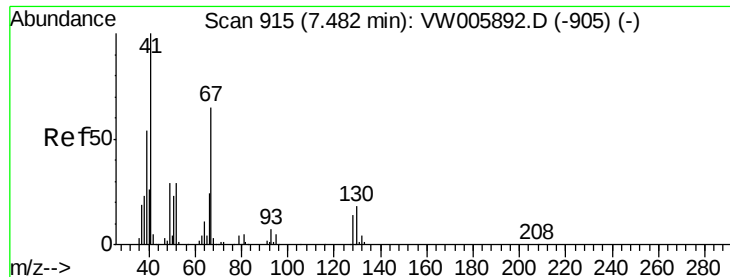
Tgt Ion: 83 Resp: 638291
Ion Ratio Lower Upper
83 100
55 75.3 59.8 89.6
98 46.7 37.1 55.7



#40
Benzene
Concen: 102.073 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion: 78 Resp: 1309703
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7





#41

Methacrylonitrile

Concen: 103.679 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 128864

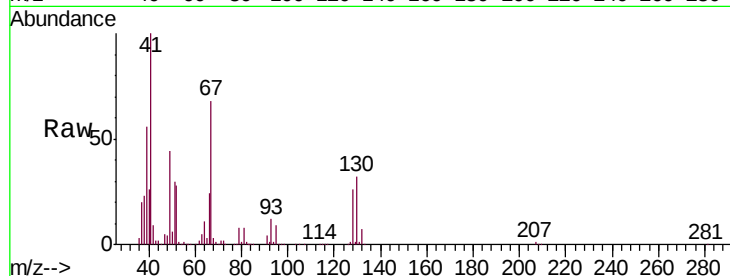
Ion Ratio Lower Upper

41 100

39 56.7 45.0 67.4

67 68.3 55.8 83.8

52 29.5 25.3 37.9

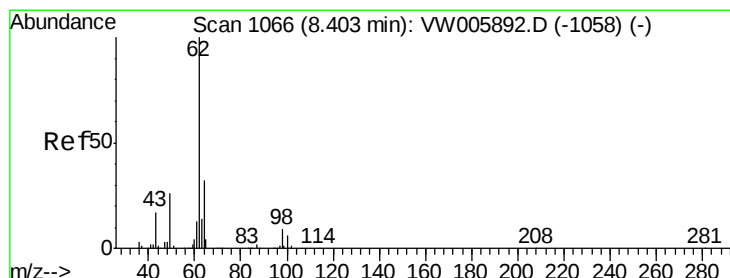
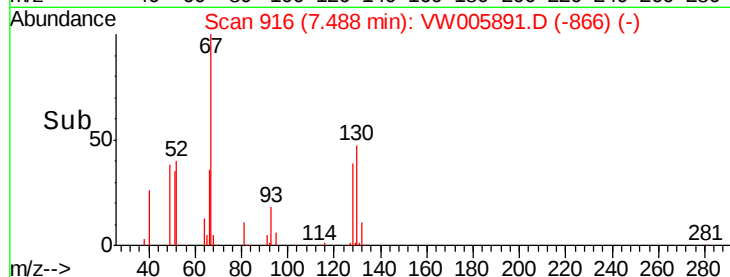
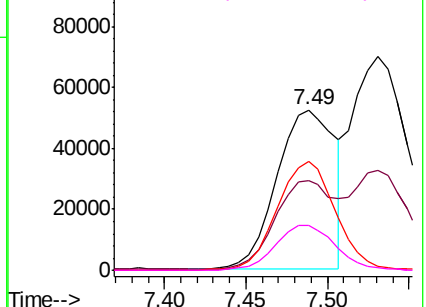


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 102.892 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005891.D

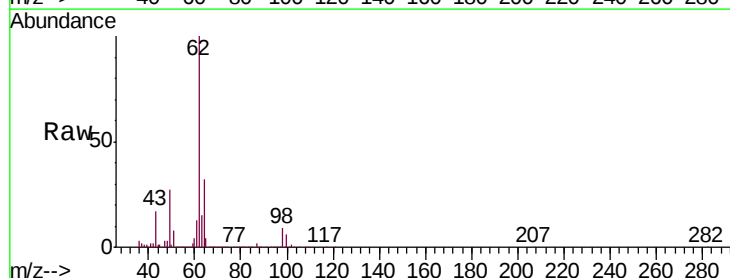
Acq: 08 Oct 2018 12:40

Tgt Ion: 62 Resp: 398854

Ion Ratio Lower Upper

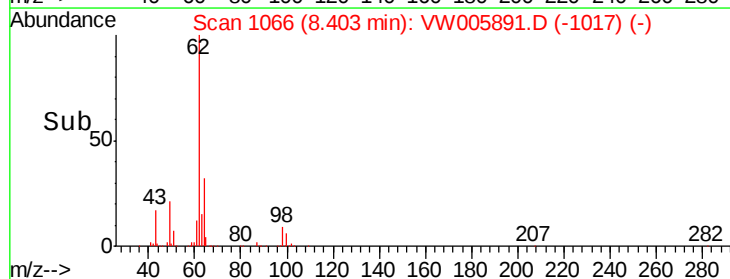
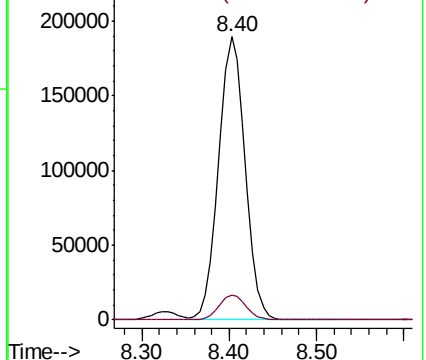
62 100

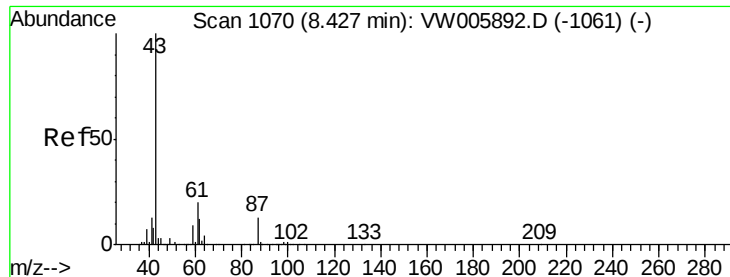
98 9.0 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 104.885 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

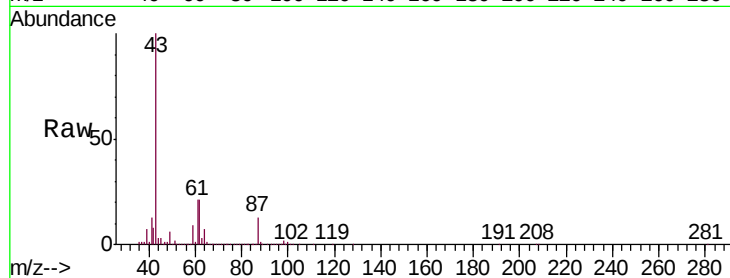
Tgt Ion: 43 Resp: 434968

Ion Ratio Lower Upper

43 100

61 28.7 23.1 34.7

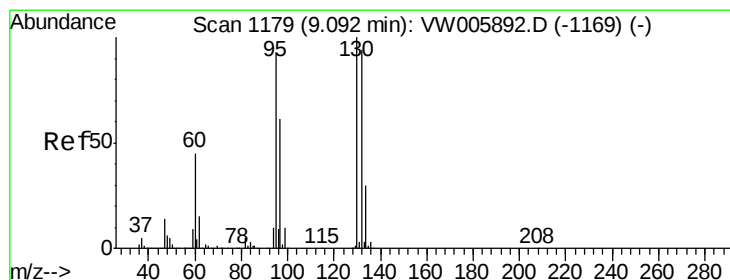
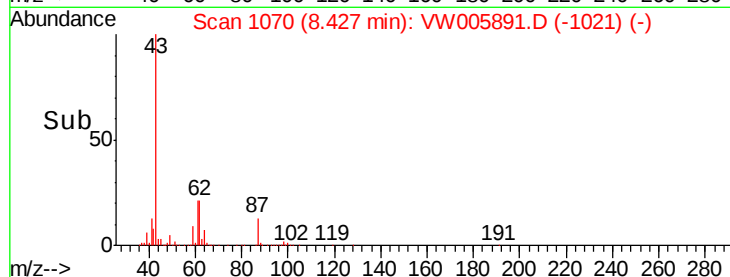
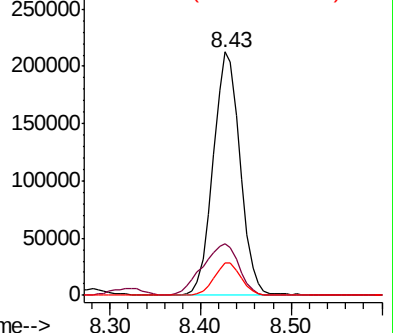
87 13.4 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 103.172 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW005891.D

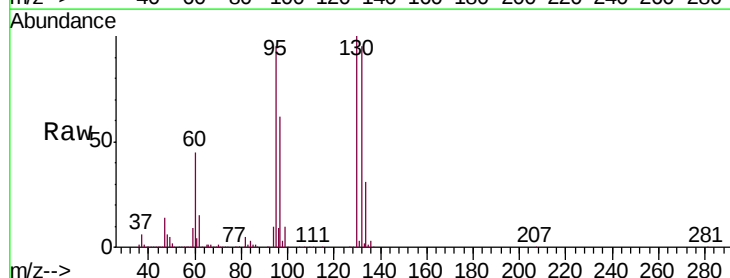
Acq: 08 Oct 2018 12:40

Tgt Ion: 130 Resp: 384091

Ion Ratio Lower Upper

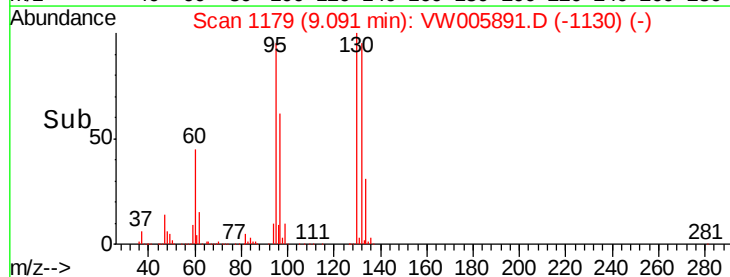
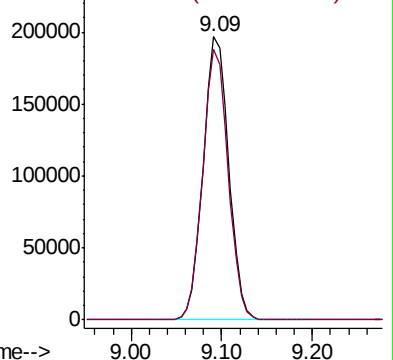
130 100

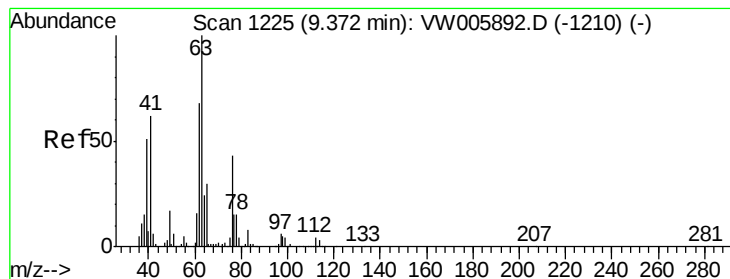
95 95.4 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 101.536 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

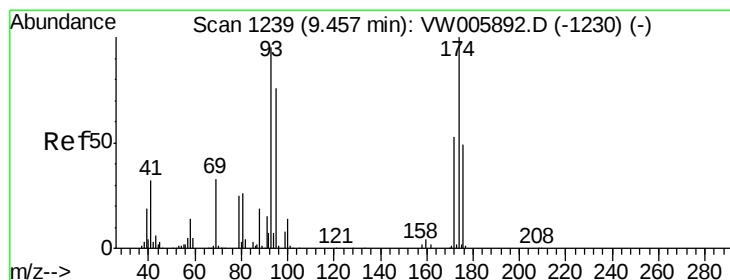
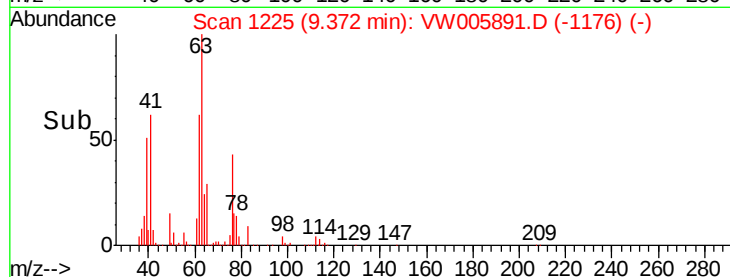
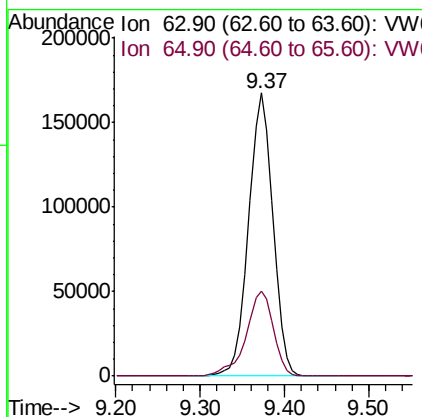
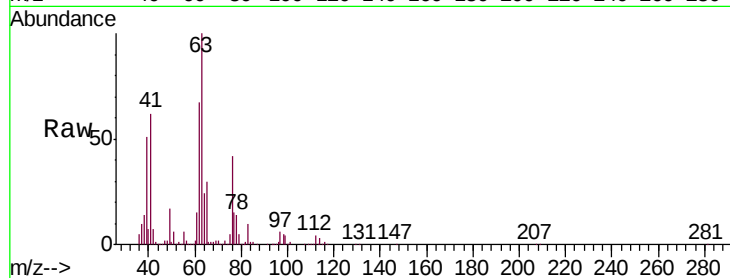
VSTDIC100

Tgt Ion: 63 Resp: 326107

Ion Ratio Lower Upper

63 100

65 30.0 24.3 36.5



#46

Dibromomethane

Concen: 103.447 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

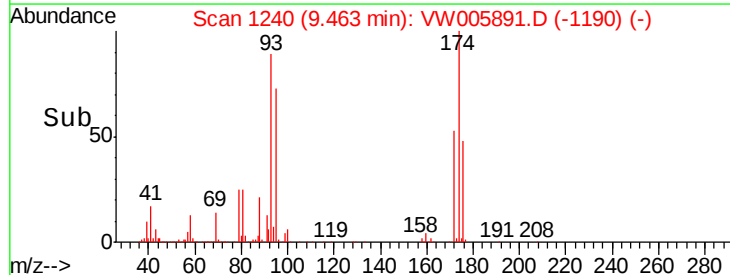
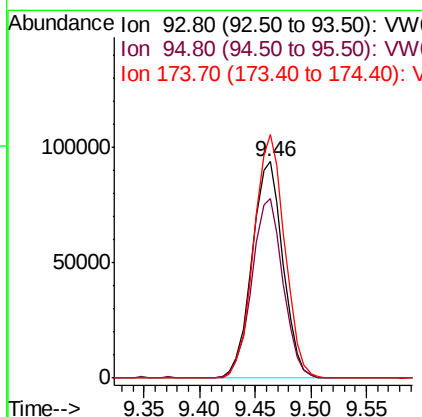
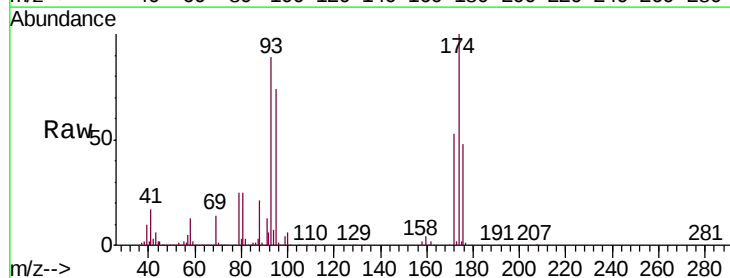
Tgt Ion: 93 Resp: 182604

Ion Ratio Lower Upper

93 100

95 82.9 66.6 99.8

174 111.8 90.4 135.6





#47

Bromodichloromethane

Concen: 103.305 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

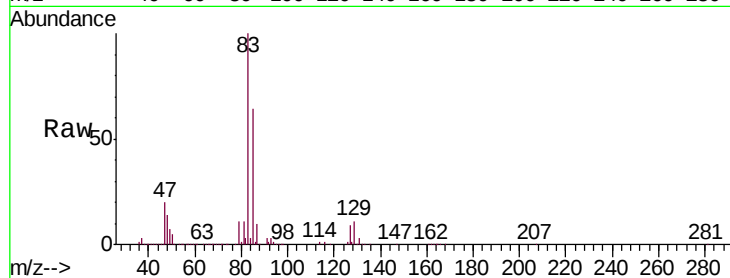
Tgt Ion: 83 Resp: 458880

Ion Ratio Lower Upper

83 100

85 63.9 53.0 79.6

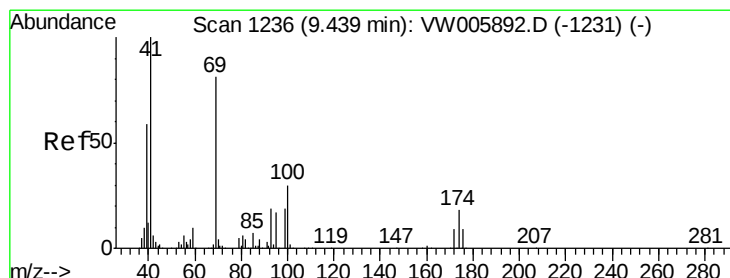
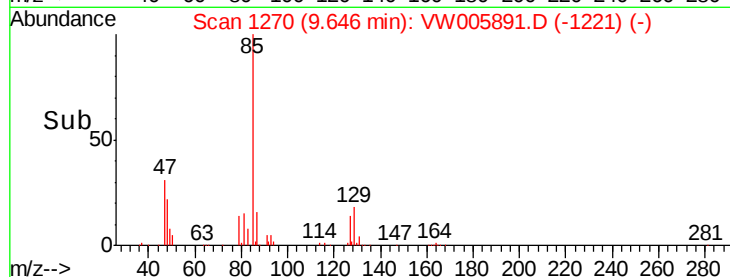
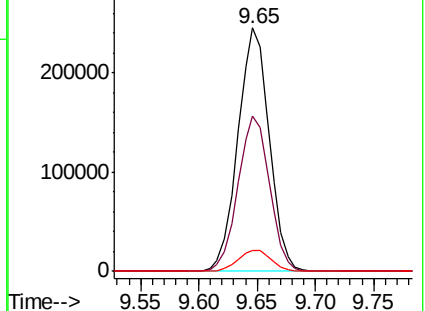
127 8.7 7.4 11.0



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: 105.083 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

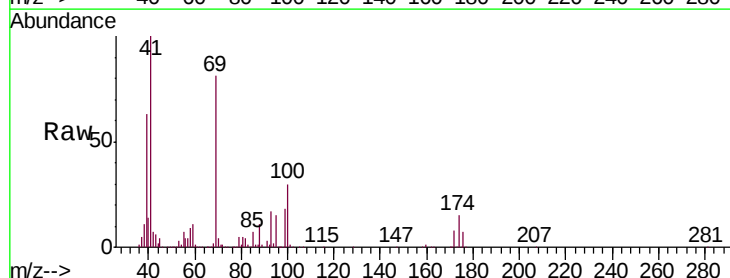
Tgt Ion: 41 Resp: 207595

Ion Ratio Lower Upper

41 100

69 85.5 68.7 103.1

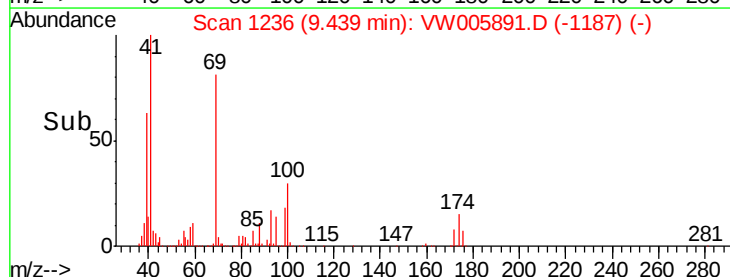
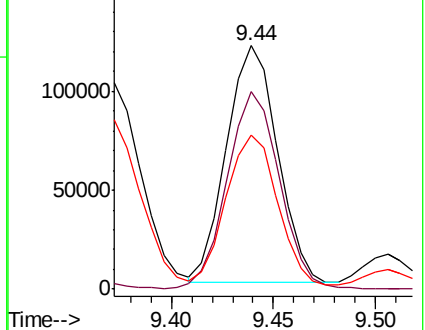
39 63.6 50.0 75.0

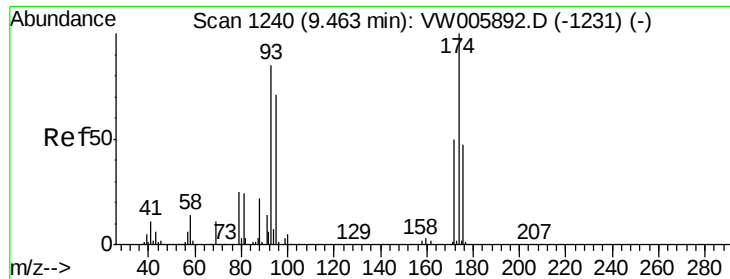


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 2103.108 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

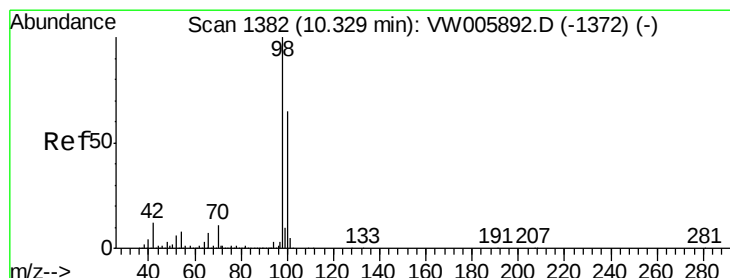
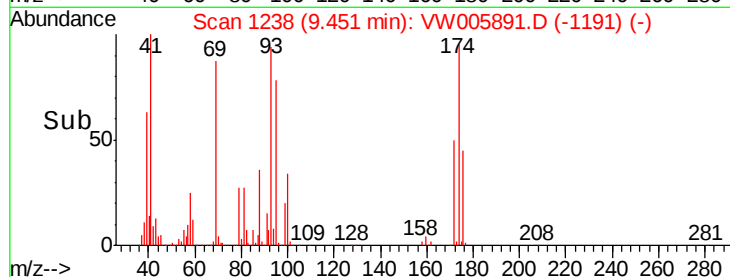
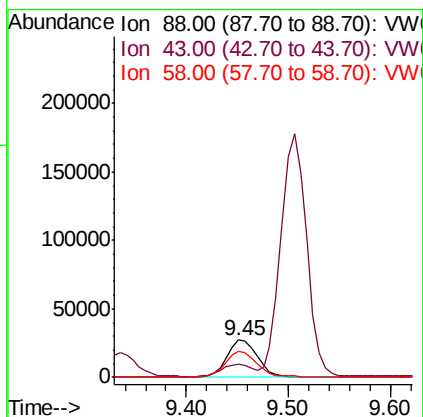
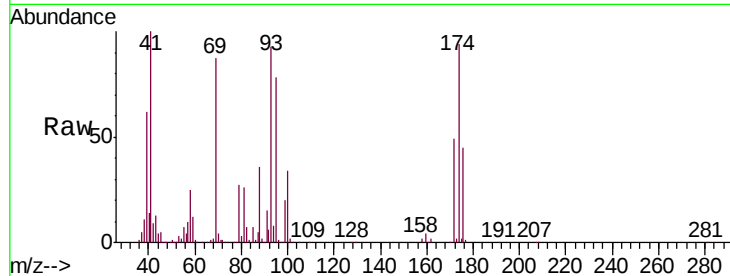
Tgt Ion: 88 Resp: 56390

Ion Ratio Lower Upper

88 100

43 32.9 0.0 0.0#

58 73.2 57.7 86.5



#50

Toluene-d8

Concen: 102.211 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005891.D

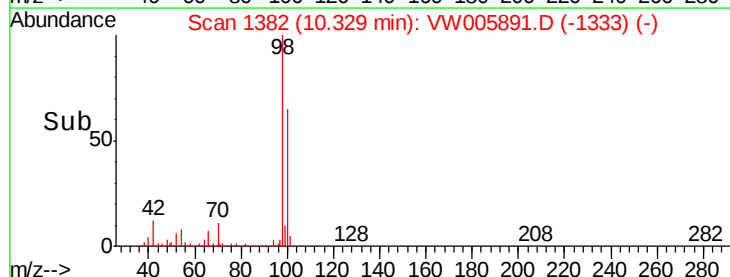
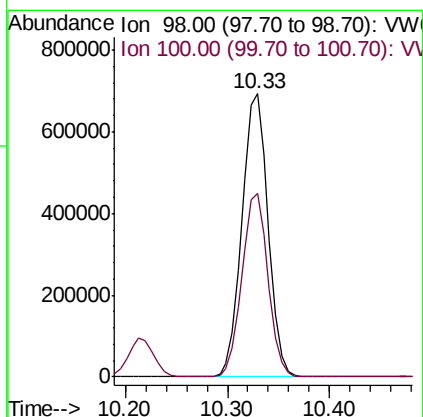
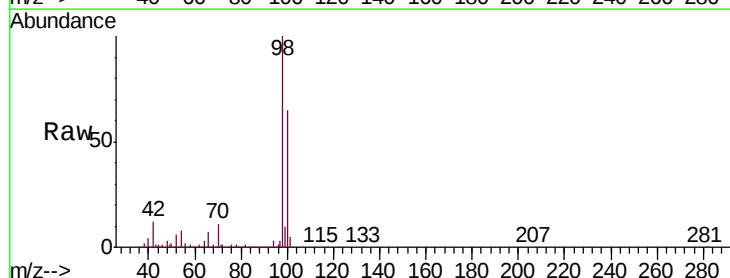
Acq: 08 Oct 2018 12:40

Tgt Ion: 98 Resp: 1228407

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9

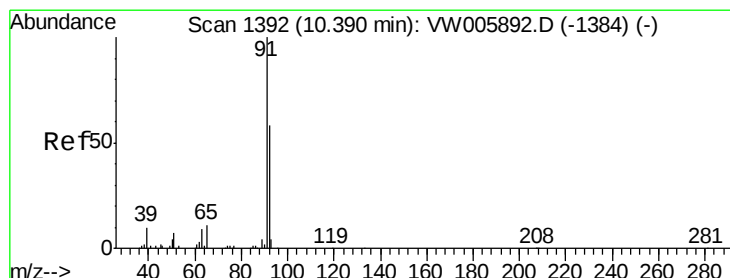
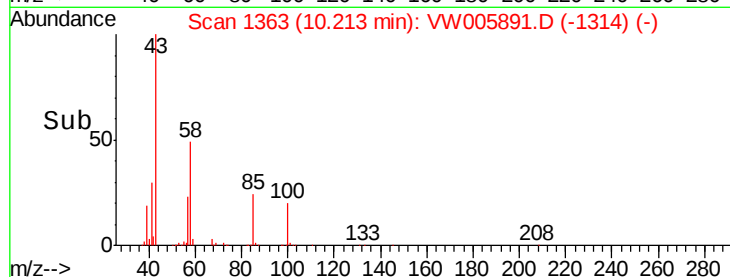
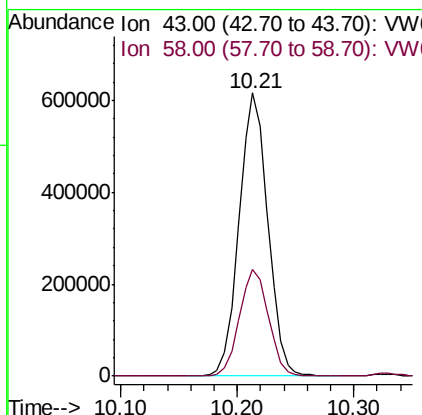
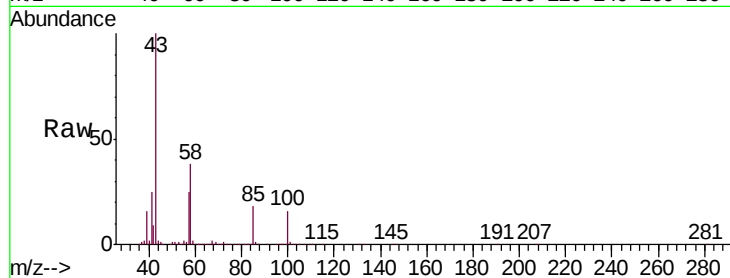




#51
 4-Methyl-2-Pentanone
 Concen: 523.633 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

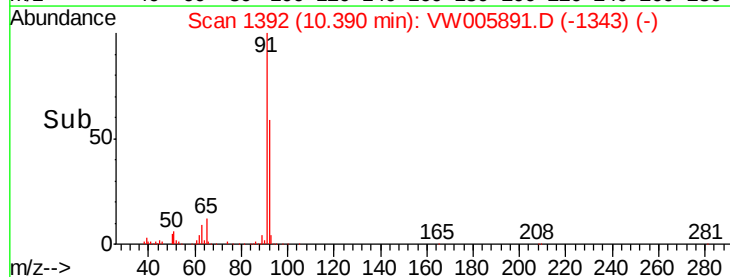
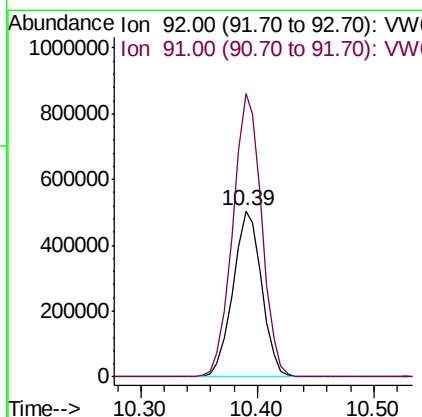
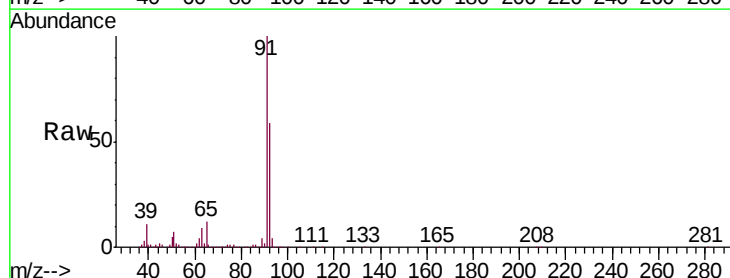
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

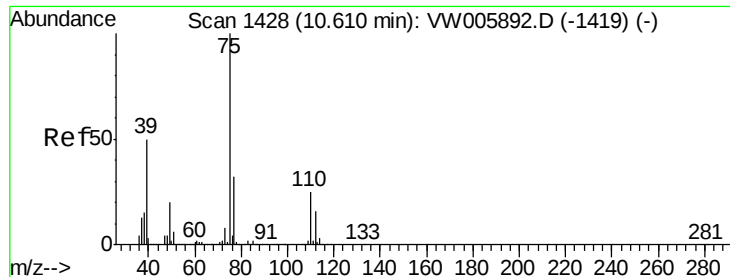
Tgt Ion: 43 Resp: 1057458
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.2 45.4



#52
 Toluene
 Concen: 102.581 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion: 92 Resp: 864690
 Ion Ratio Lower Upper
 92 100
 91 171.5 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 103.884 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

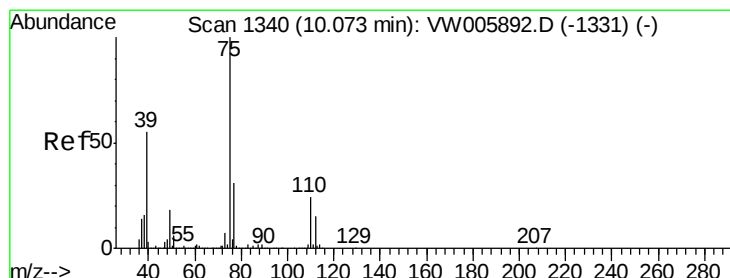
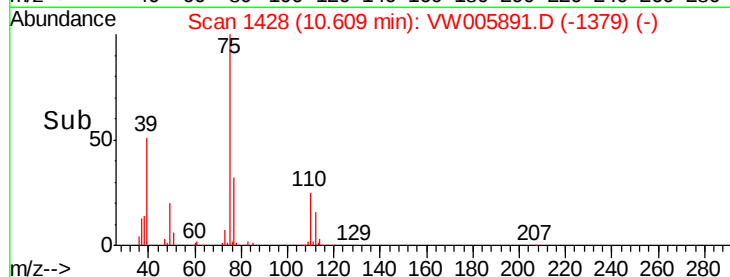
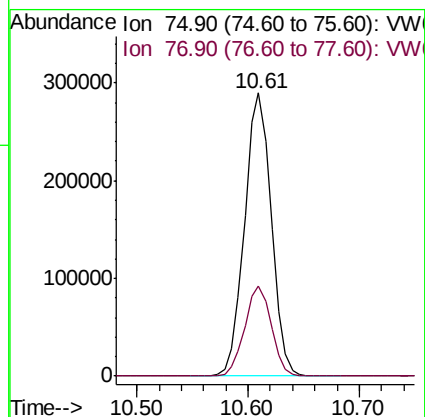
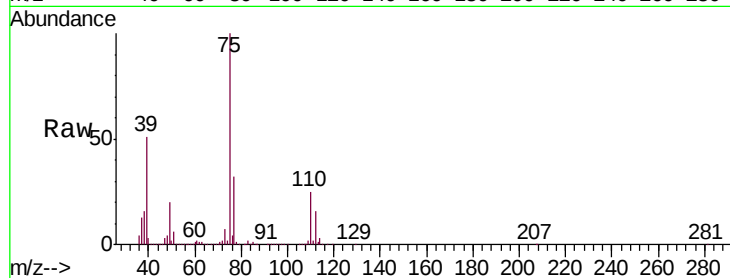
VSTDIC100

Tgt Ion: 75 Resp: 482234

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 102.762 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

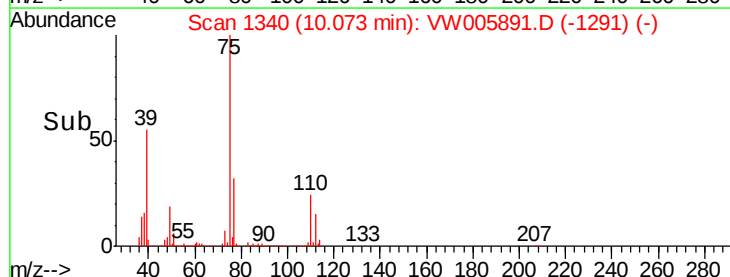
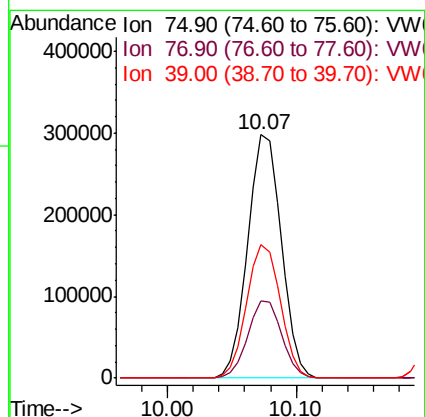
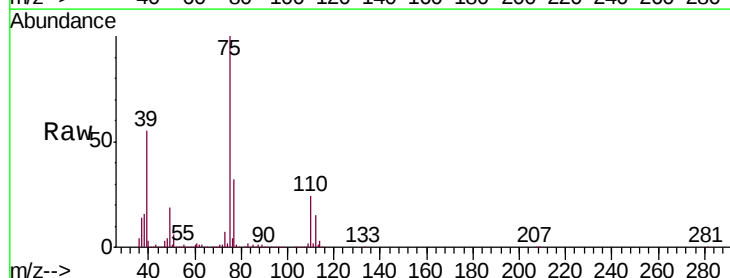
Tgt Ion: 75 Resp: 536228

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0

39 54.7 44.2 66.4

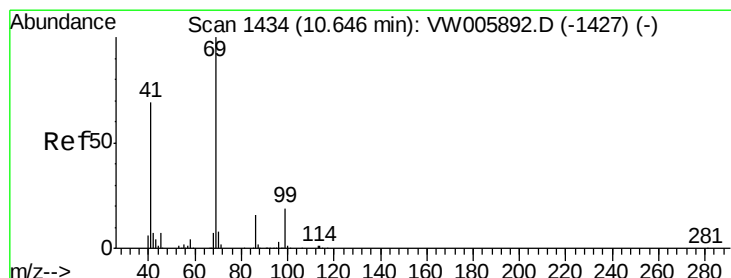
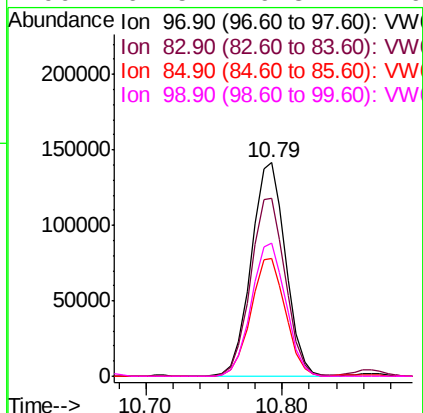
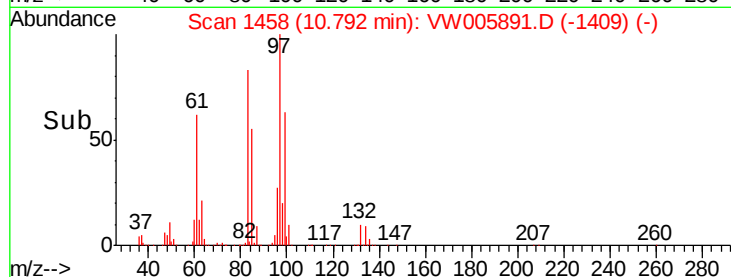
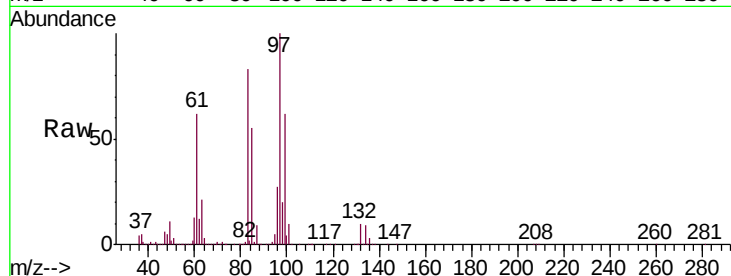




#55
 1,1,2-Trichloroethane
 Concen: 102.230 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

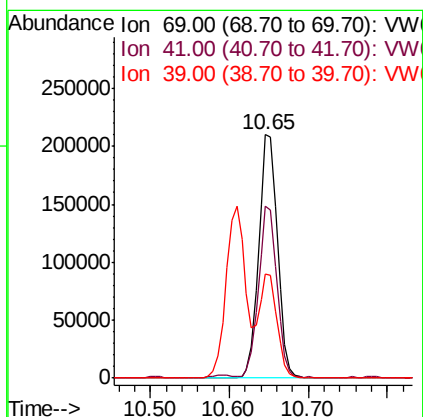
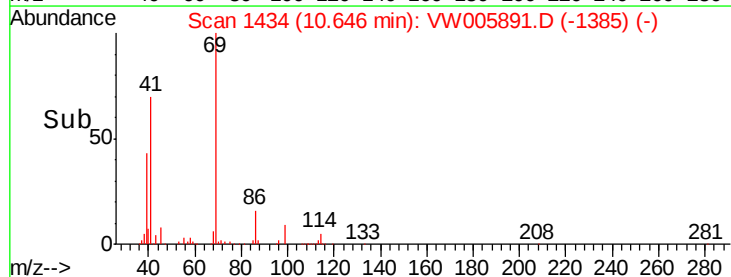
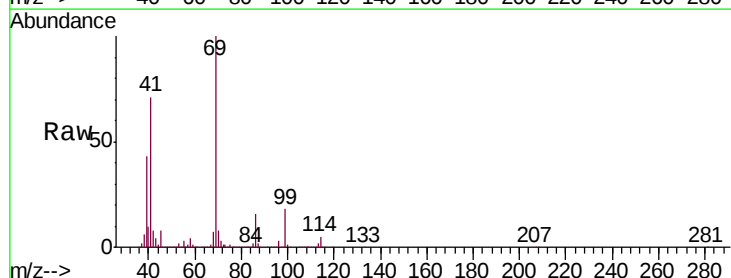
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:	97	Resp:	249947
Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.9	100.3
85	55.1	43.4	65.0
99	62.5	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 104.864 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion:	69	Resp:	345557
Ion	Ratio	Lower	Upper
69	100		
41	69.1	56.0	84.0
39	41.6	33.5	50.3





#57

1,3-Dichloropropane

Concen: 102.470 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

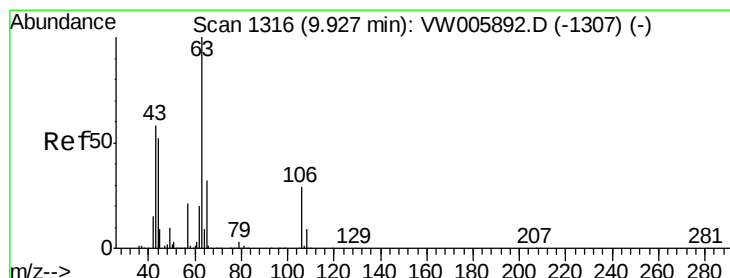
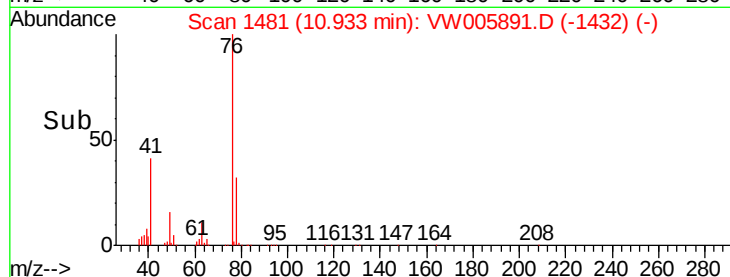
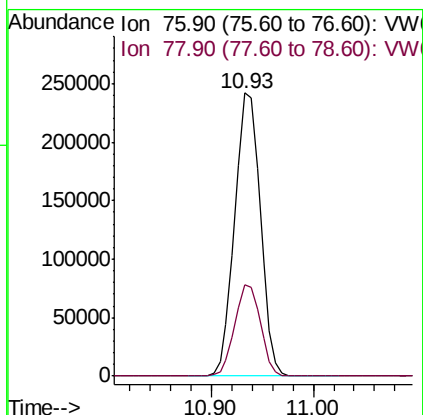
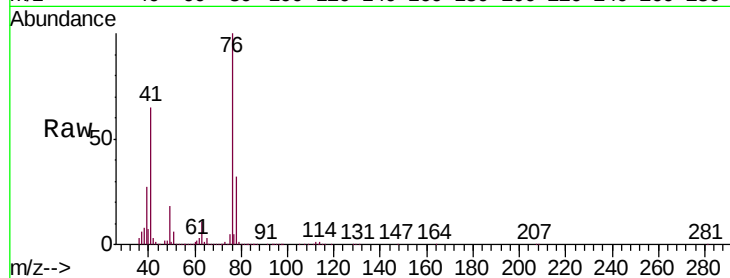
VSTDIC100

Tgt Ion: 76 Resp: 421474

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 490.986 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW005891.D

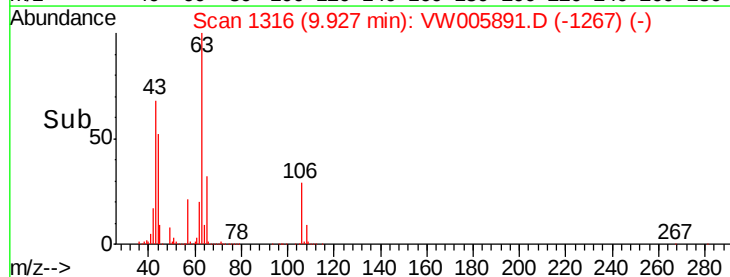
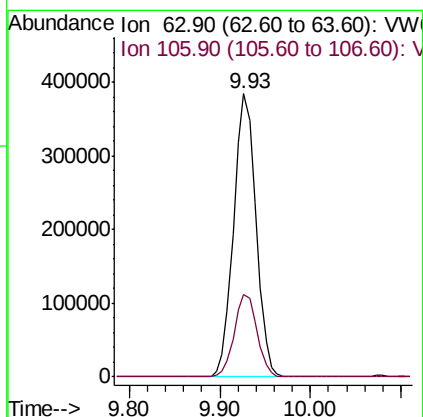
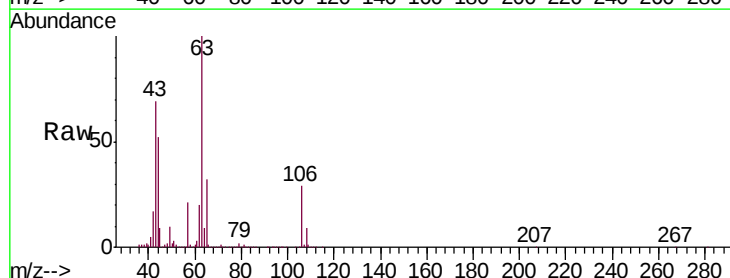
Acq: 08 Oct 2018 12:40

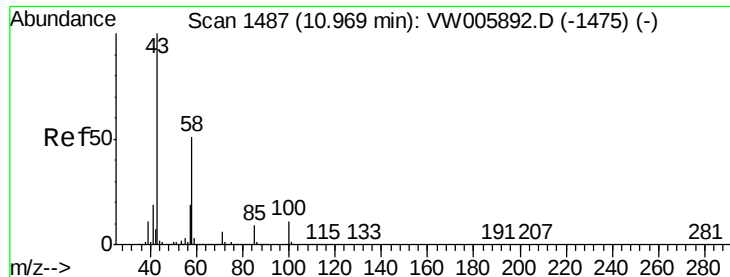
Tgt Ion: 63 Resp: 658332

Ion Ratio Lower Upper

63 100

106 29.4 23.6 35.4





#59

2-Hexanone

Concen: 516.594 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

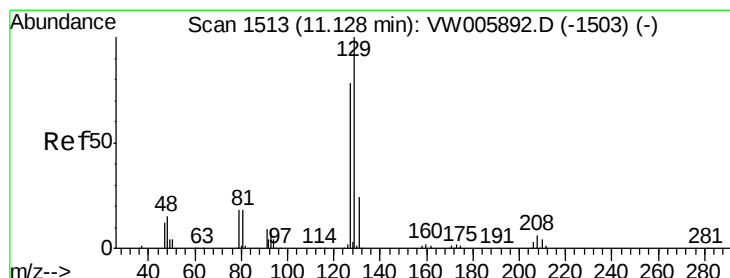
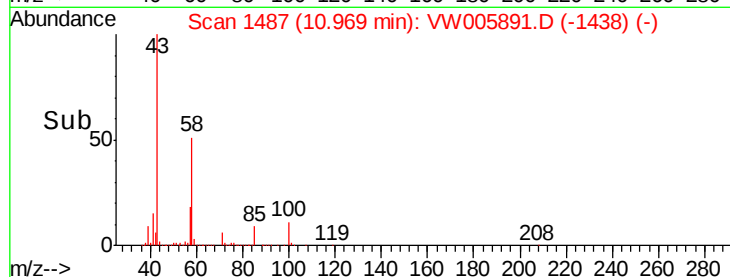
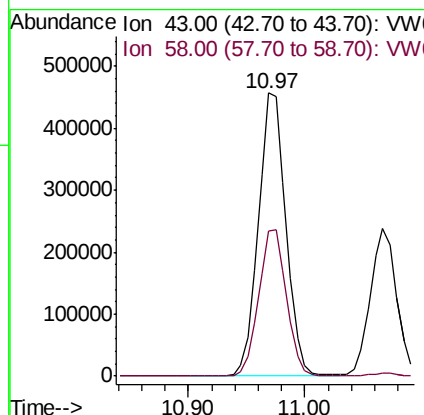
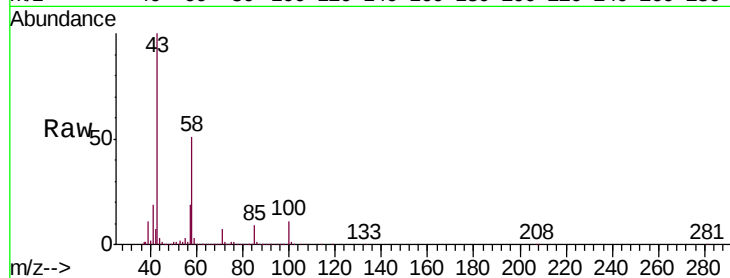
VSTDIC100

Tgt Ion: 43 Resp: 748023

Ion Ratio Lower Upper

43 100

58 52.2 25.7 77.1



#60

Dibromochloromethane

Concen: 104.263 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW005891.D

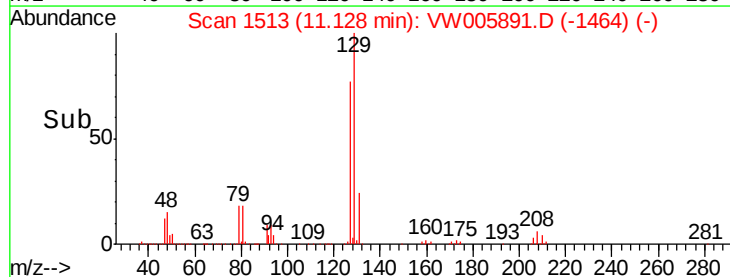
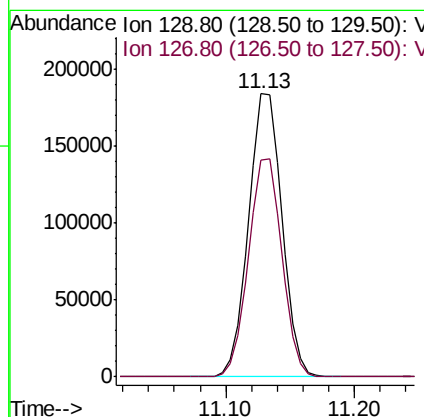
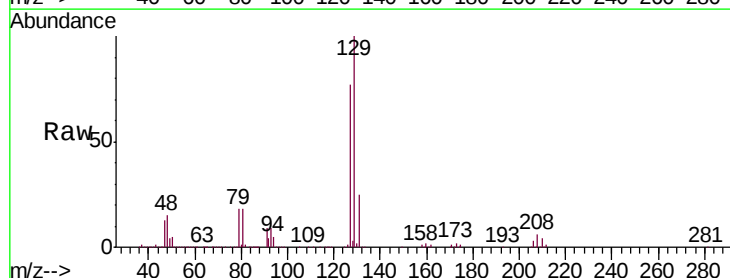
Acq: 08 Oct 2018 12:40

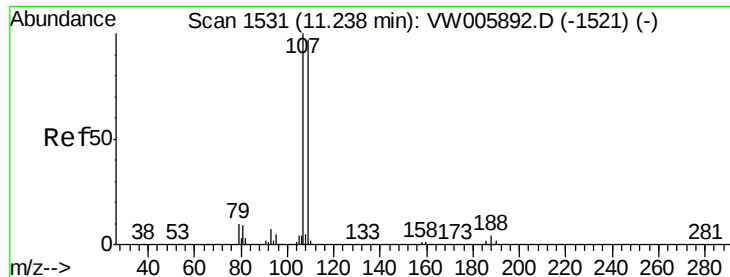
Tgt Ion: 129 Resp: 328954

Ion Ratio Lower Upper

129 100

127 77.1 38.5 115.5

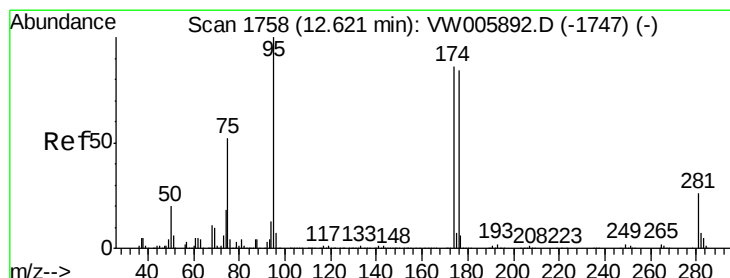
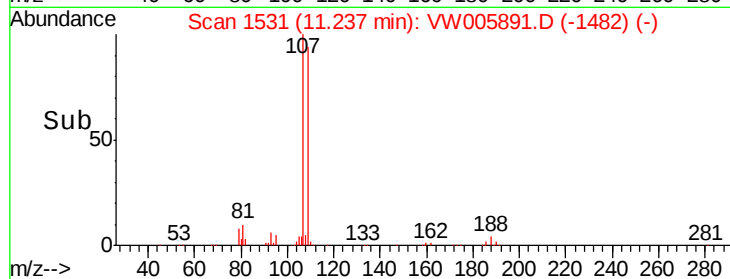
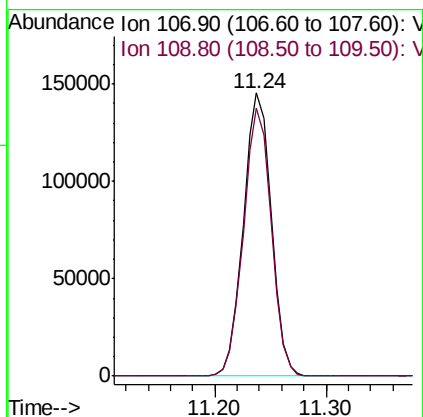
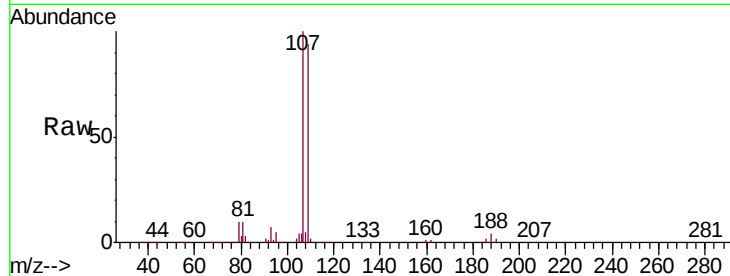




#61
 1,2-Dibromoethane
 Concen: 103.714 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

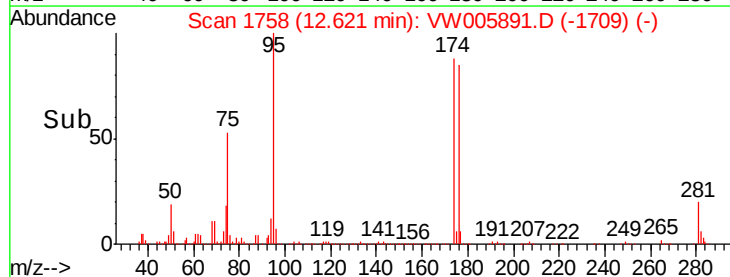
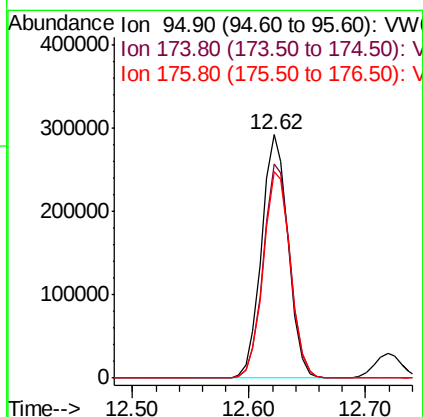
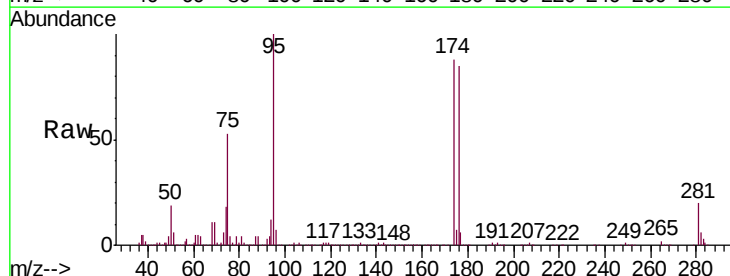
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 107 Resp: 253388
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 101.713 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion: 95 Resp: 465085
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 176.4
 176 86.0 0.0 173.0

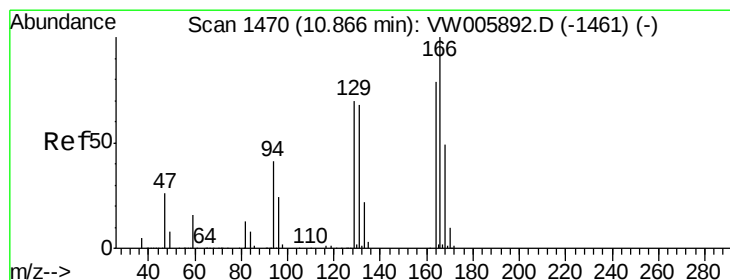
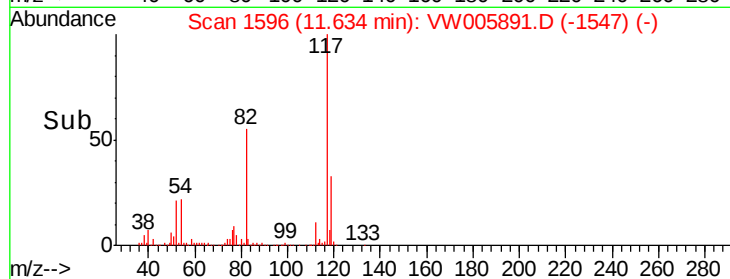
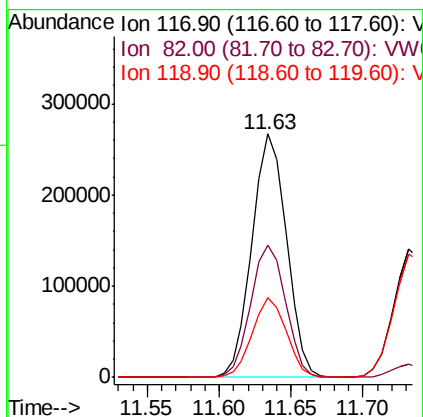
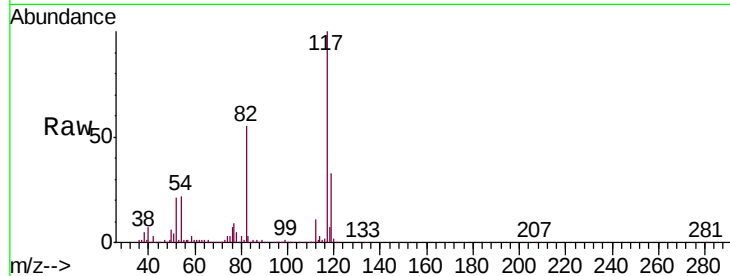




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

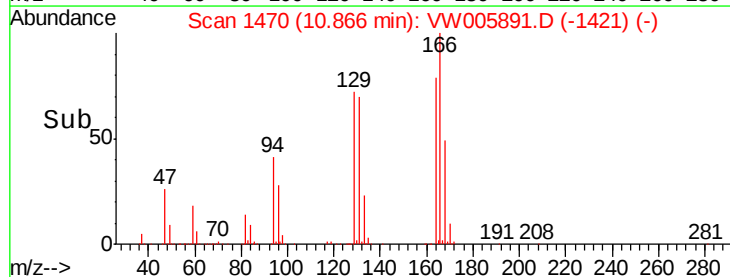
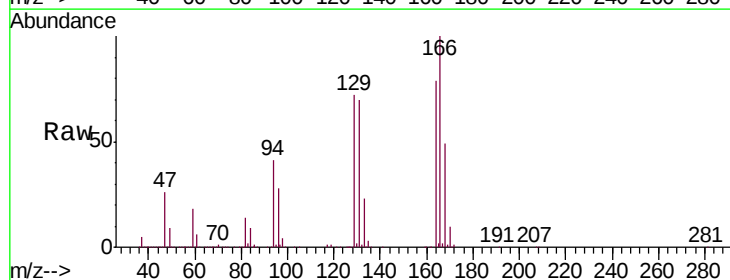
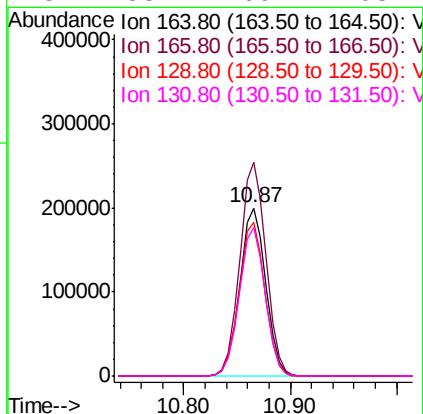
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 442723
Ion Ratio Lower Upper
117 100
82 54.5 43.5 65.3
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 103.660 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion:164 Resp: 341855
Ion Ratio Lower Upper
164 100
166 127.3 101.5 152.3
129 91.4 71.1 106.7
131 88.7 69.1 103.7

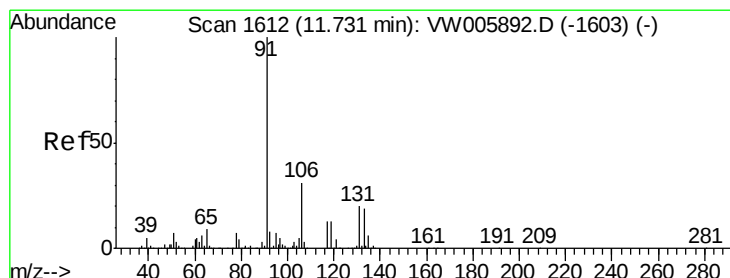
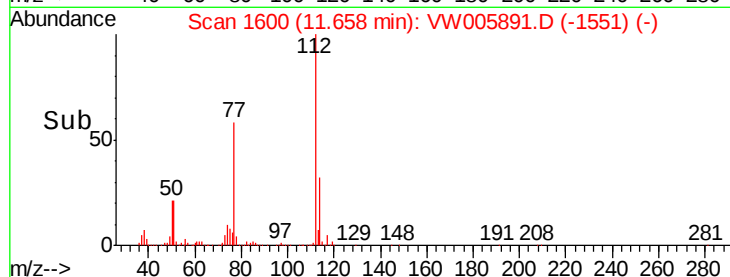
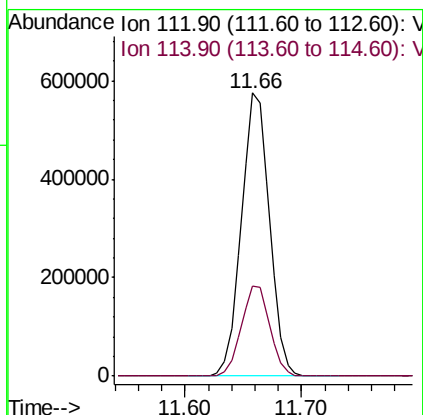
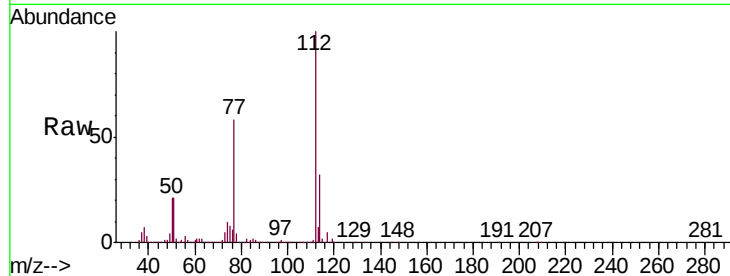




#65
Chlorobenzene
Concen: 102.343 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

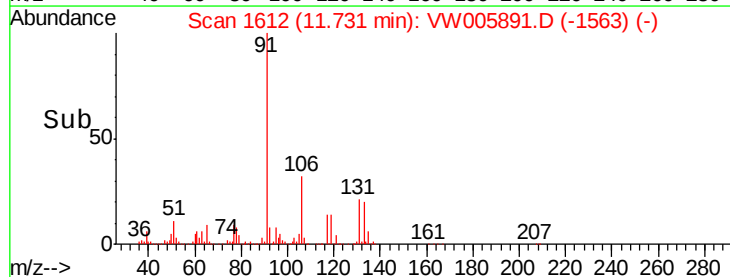
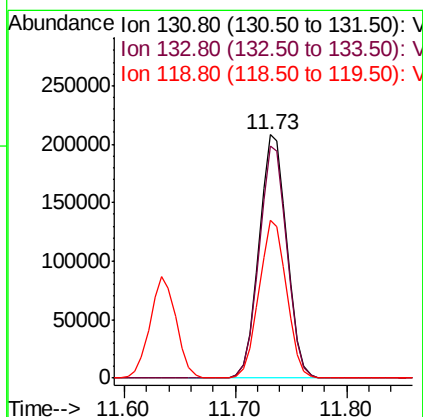
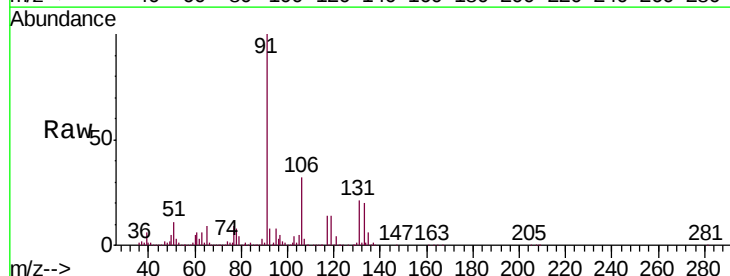
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

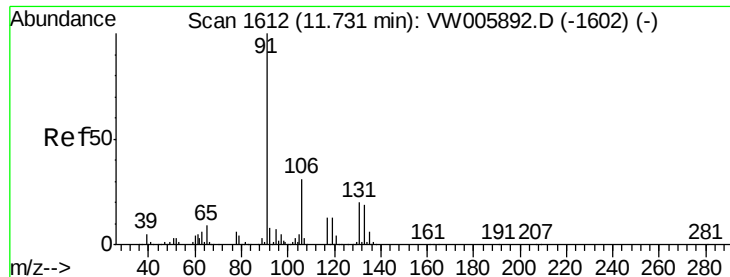
Tgt Ion:112 Resp: 970546
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 104.242 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion:131 Resp: 362344
Ion Ratio Lower Upper
131 100
133 95.5 48.2 144.6
119 64.6 32.5 97.5

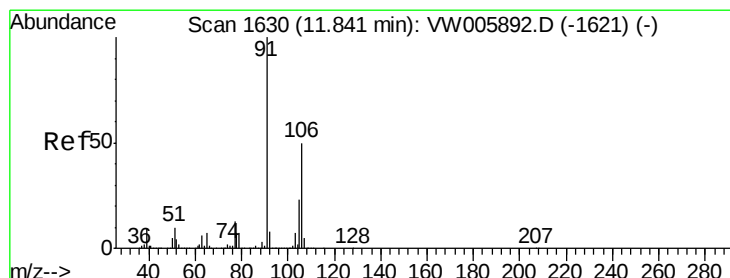
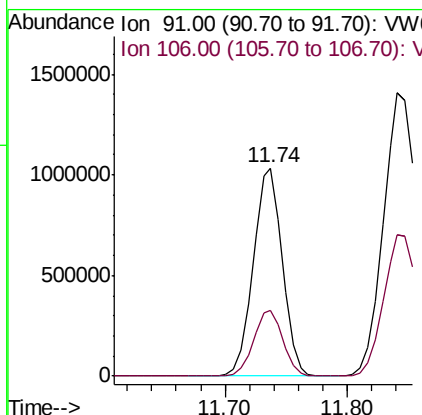
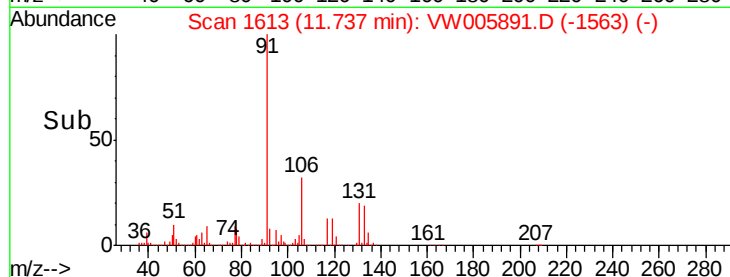
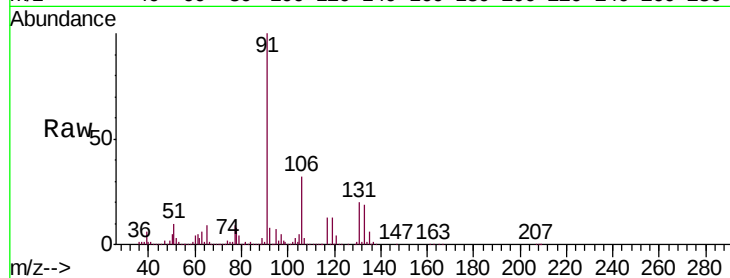




#67
Ethyl Benzene
Concen: 101.814 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

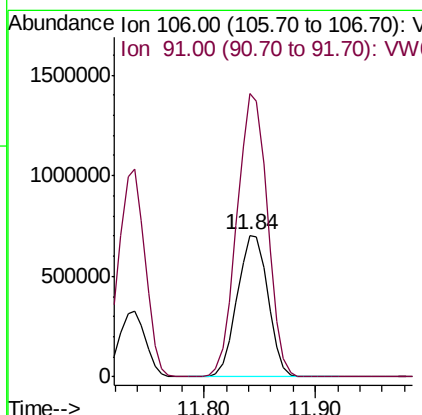
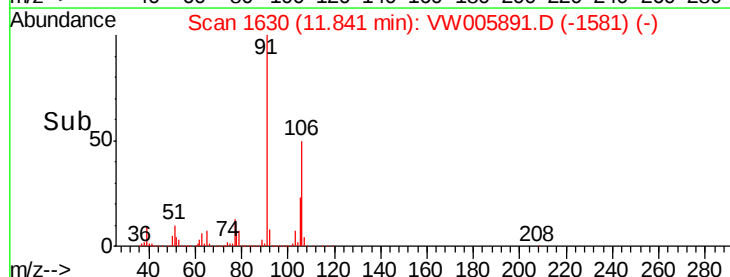
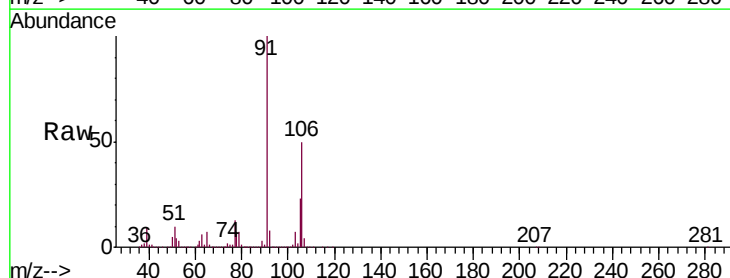
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

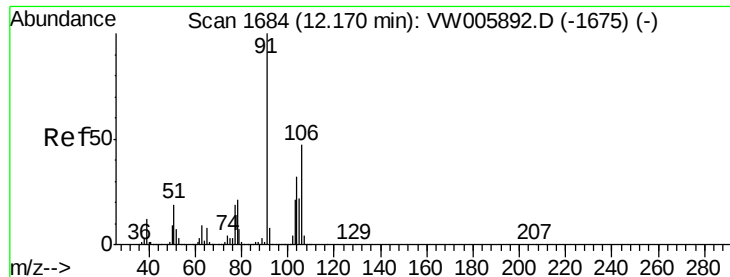
Tgt Ion: 91 Resp: 1705424
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6



#68
m/p-Xylenes
Concen: 205.100 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion: 106 Resp: 1342573
Ion Ratio Lower Upper
106 100
91 199.2 160.2 240.2

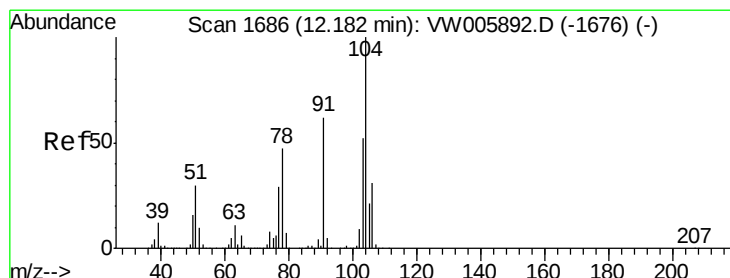
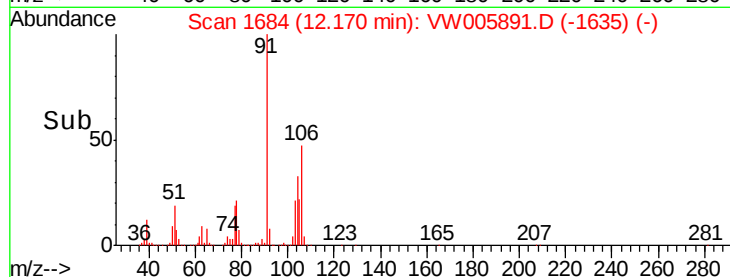
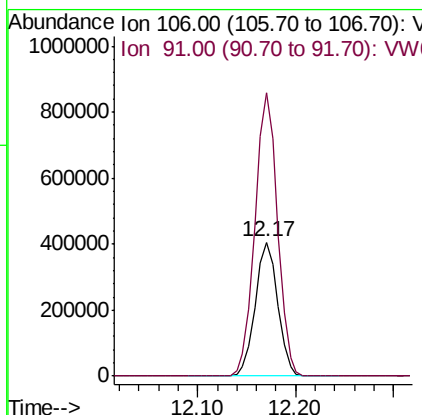
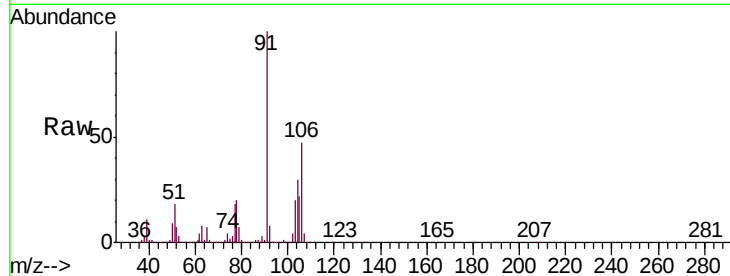




#69
o-Xylene
Concen: 103.498 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

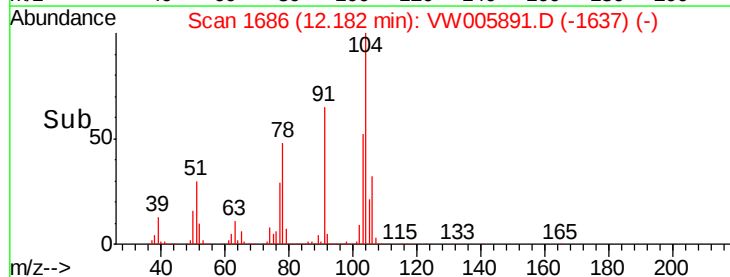
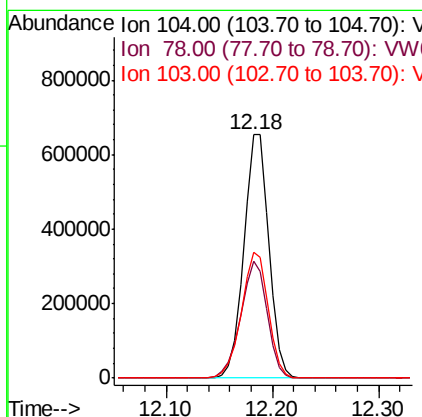
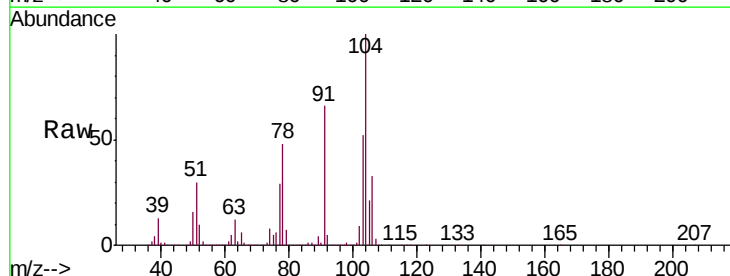
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

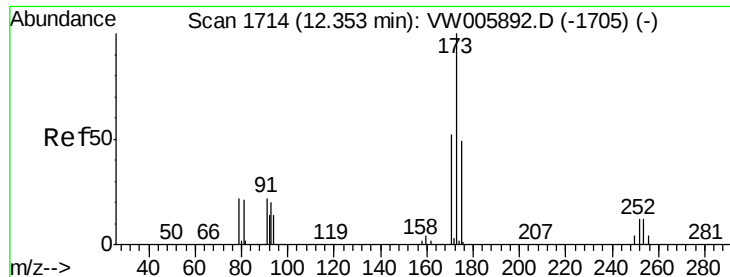
Tgt Ion:106 Resp: 648605
Ion Ratio Lower Upper
106 100
91 211.2 106.2 318.5



#70
Styrene
Concen: 103.756 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion:104 Resp: 1078828
Ion Ratio Lower Upper
104 100
78 50.7 40.4 60.6
103 55.3 44.2 66.2





#71

Bromoform

Concen: 107.043 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

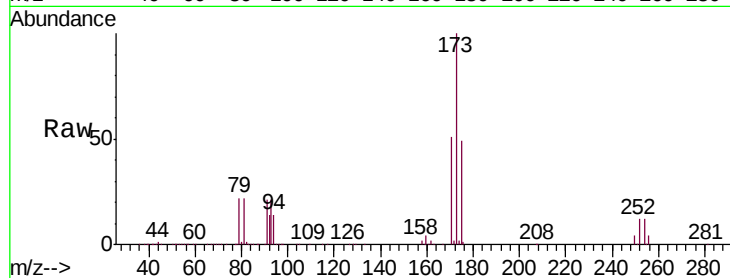
Tgt Ion:173 Resp: 221634

Ion Ratio Lower Upper

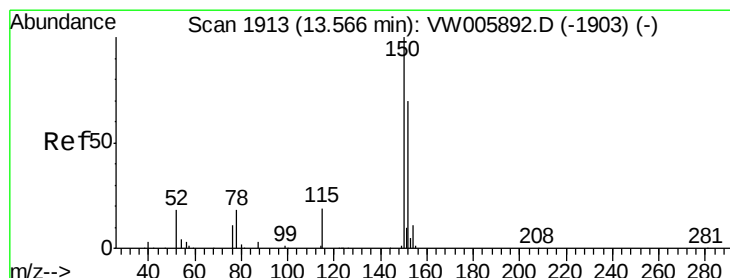
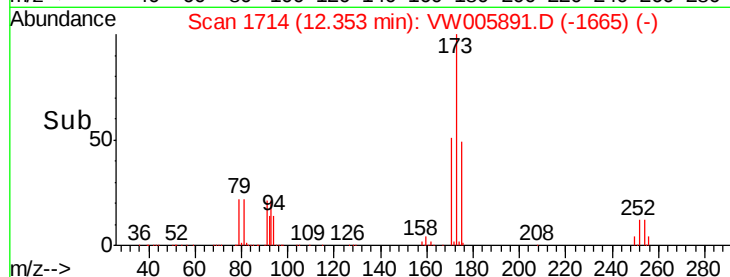
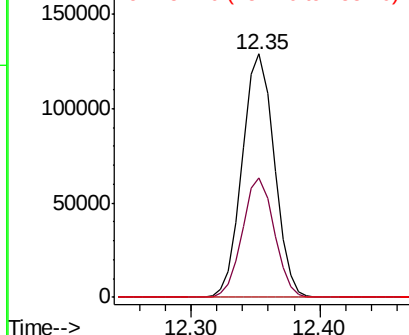
173 100

175 48.7 24.7 74.1

254 0.1 0.2 0.2#



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: VW005891.D

Acq: 08 Oct 2018 12:40

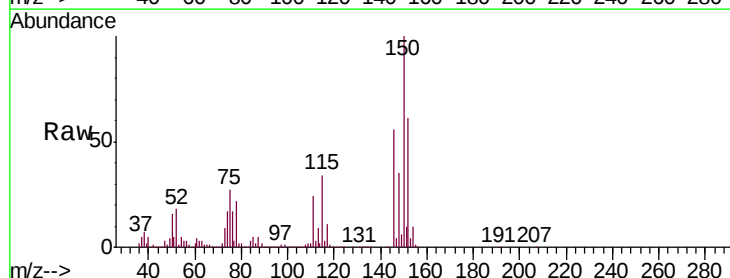
Tgt Ion:152 Resp: 242200

Ion Ratio Lower Upper

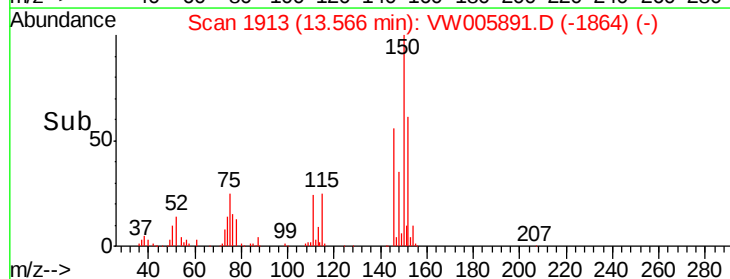
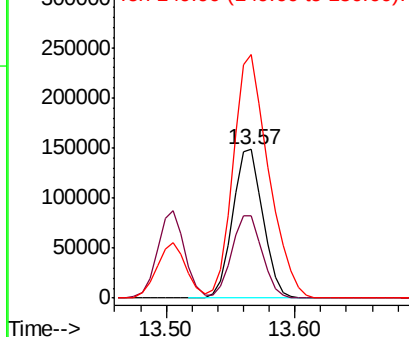
152 100

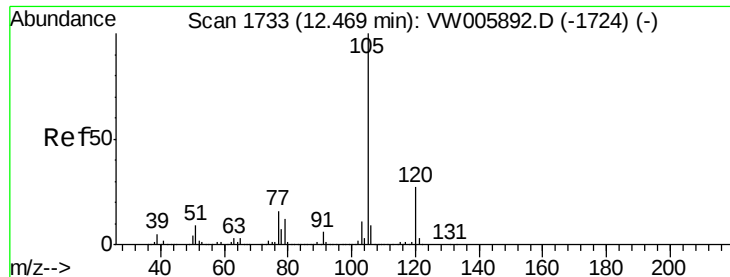
115 56.3 28.3 85.0

150 191.1 0.0 349.2



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: 101.737 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

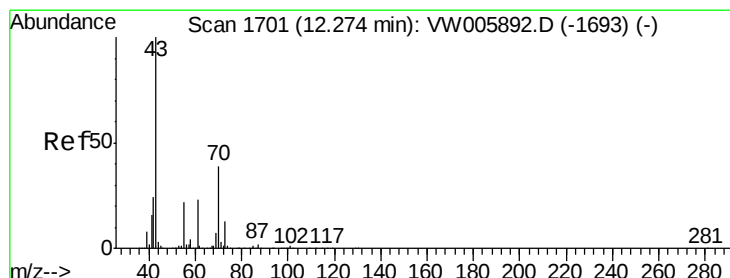
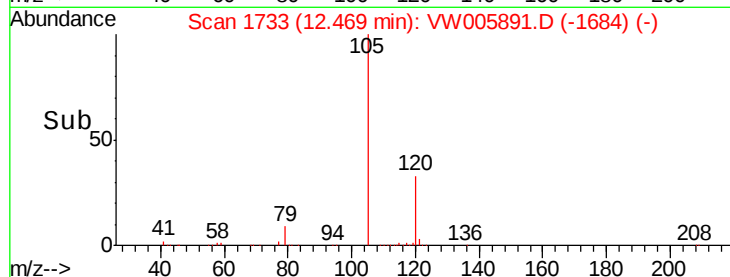
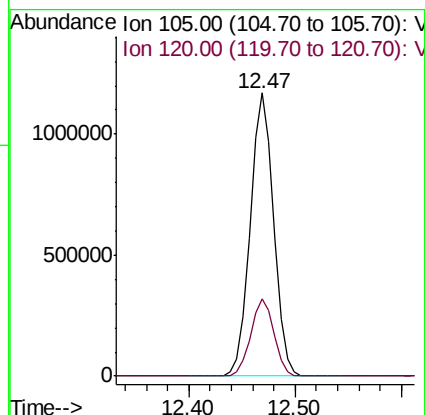
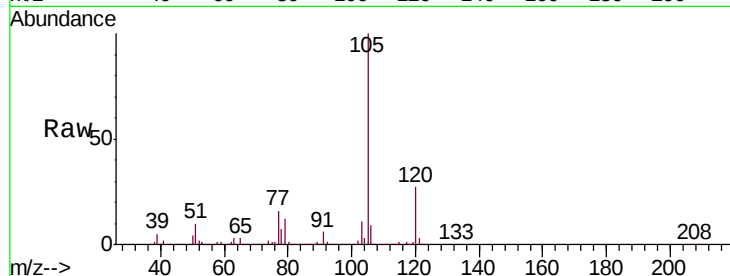
VSTDIC100

Tgt Ion:105 Resp: 1799553

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.8



#74

N-ethyl acetate

Concen: 103.383 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Tgt Ion: 43 Resp: 434298

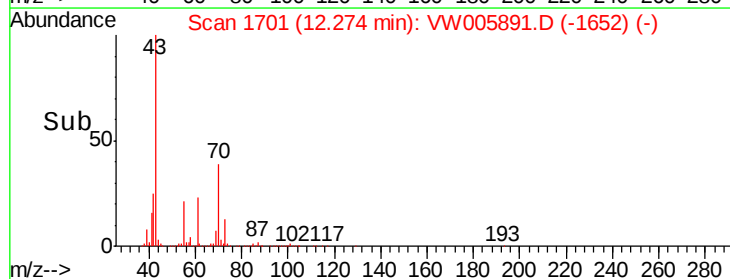
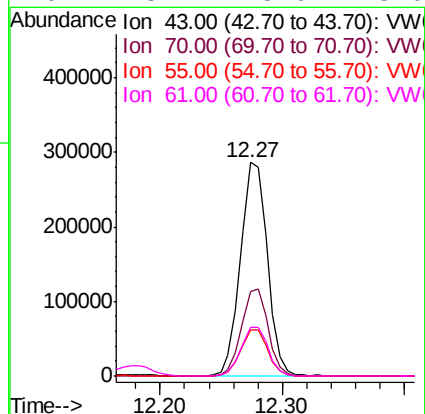
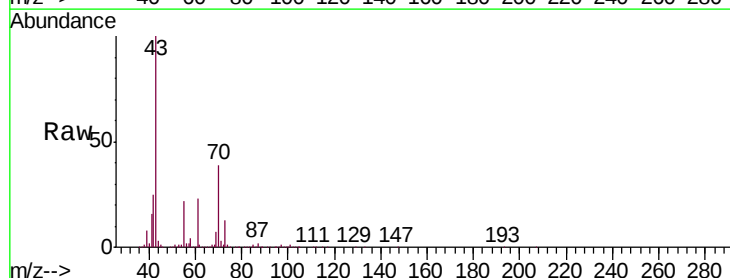
Ion Ratio Lower Upper

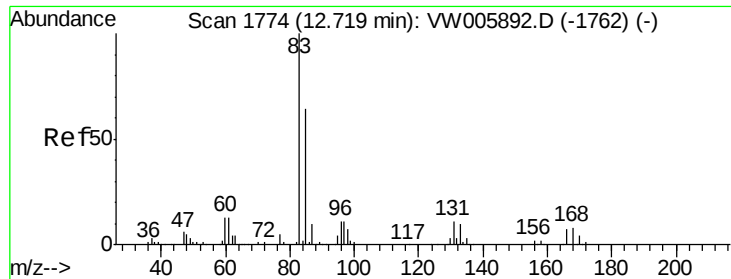
43 100

70 40.3 31.6 47.4

55 21.8 17.9 26.9

61 23.1 18.6 28.0

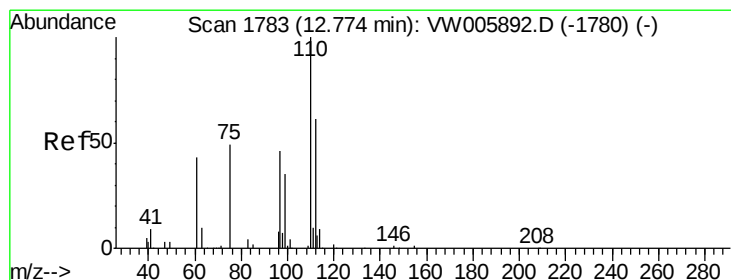
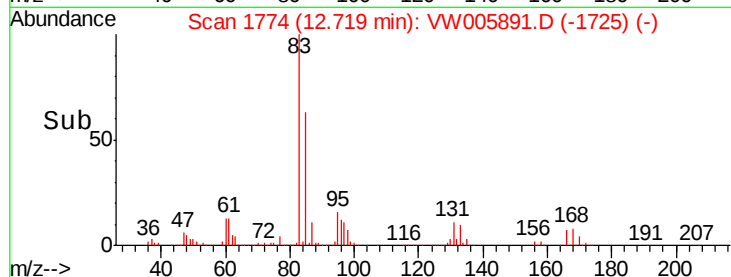
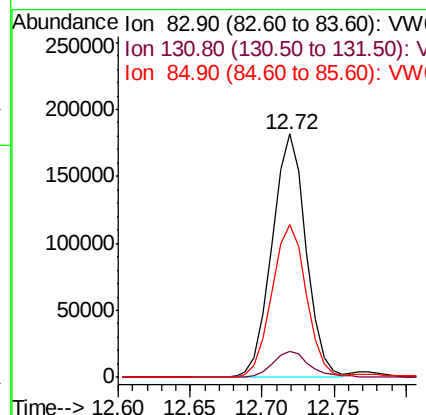
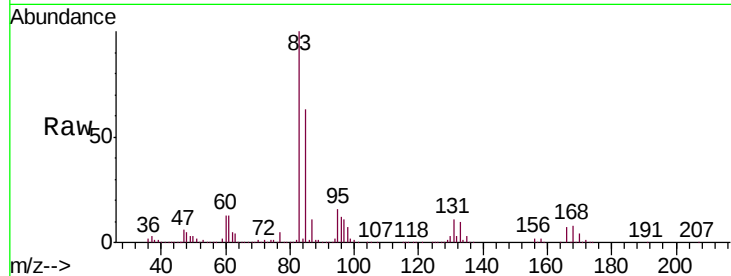




#75
 1,1,2,2-Tetrachloroethane
 Concen: 102.694 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

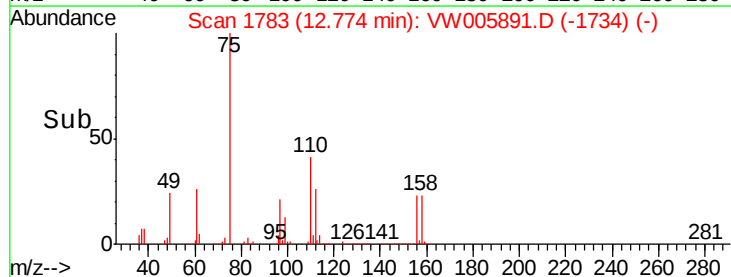
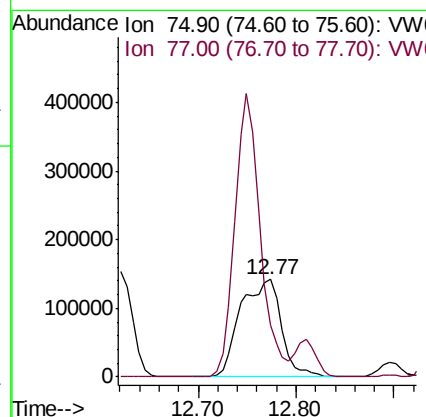
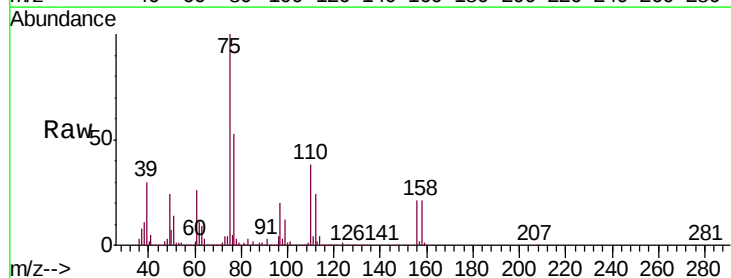
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

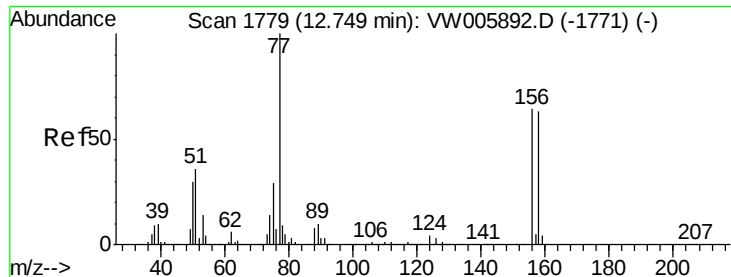
Tgt Ion: 83 Resp: 297732
 Ion Ratio Lower Upper
 83 100
 131 11.5 5.8 17.3
 85 64.0 32.4 97.0



#76
 1,2,3-Trichloropropane
 Concen: 110.823 ug/l
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion: 75 Resp: 410836
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 102.911 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

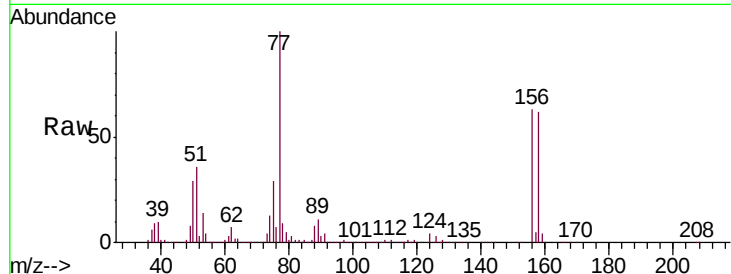
Tgt Ion:156 Resp: 431270

Ion Ratio Lower Upper

156 100

77 173.3 85.8 257.4

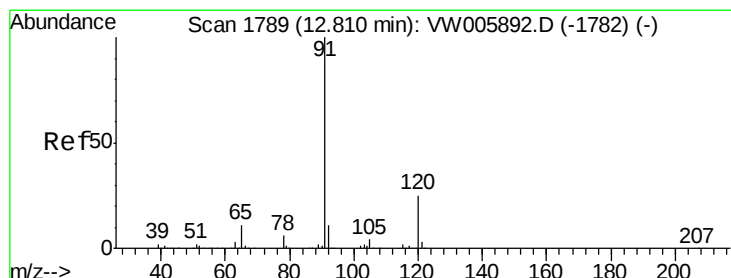
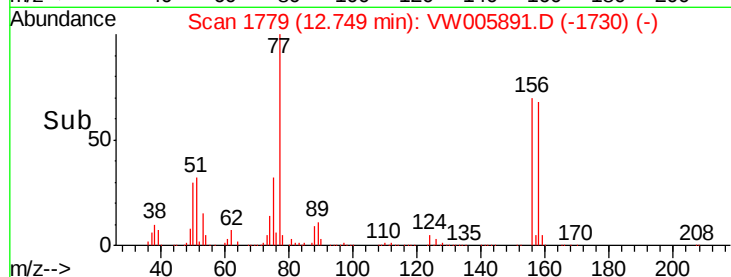
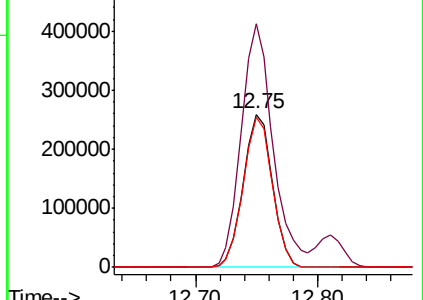
158 97.6 49.1 147.4



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: 100.854 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005891.D

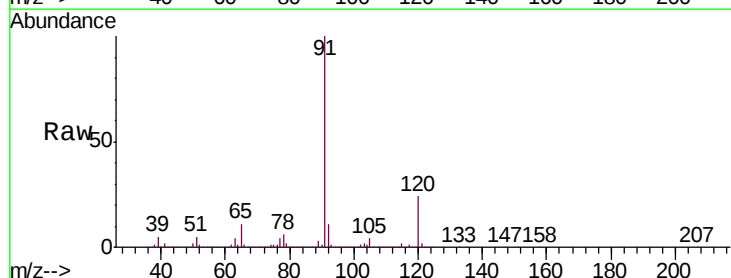
Acq: 08 Oct 2018 12:40

Tgt Ion: 91 Resp: 2098507

Ion Ratio Lower Upper

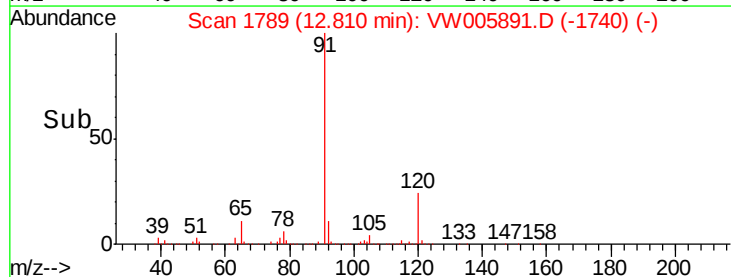
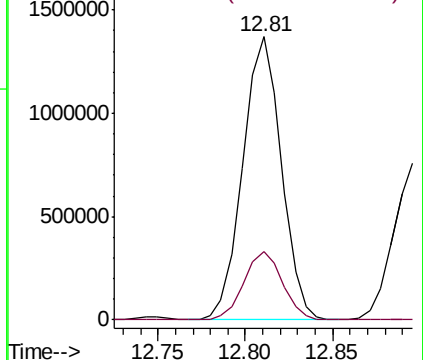
91 100

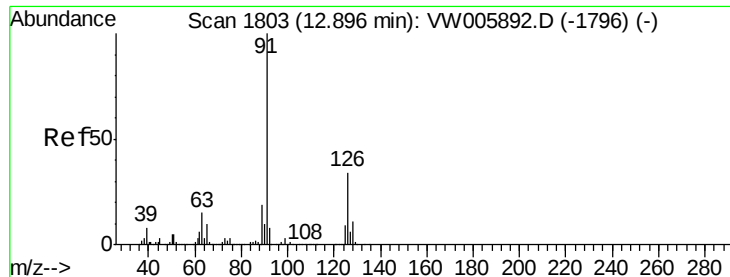
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 101.245 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

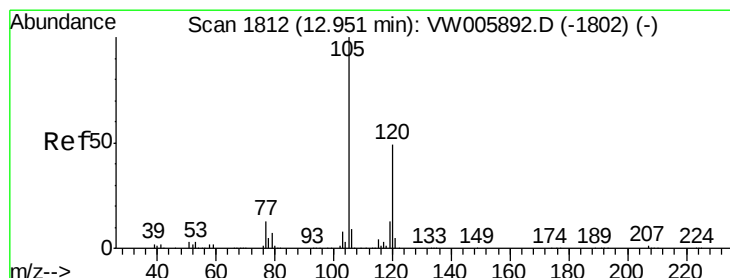
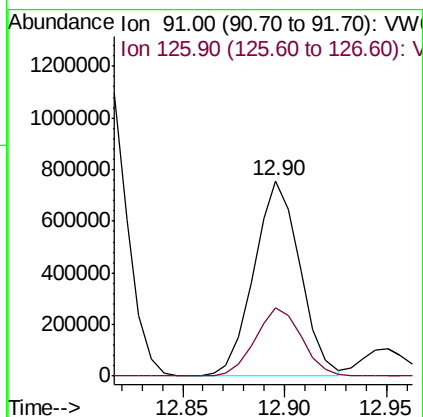
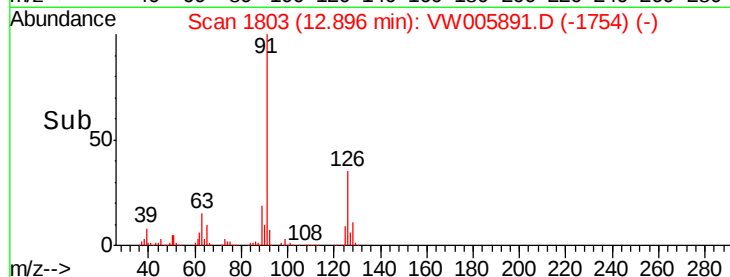
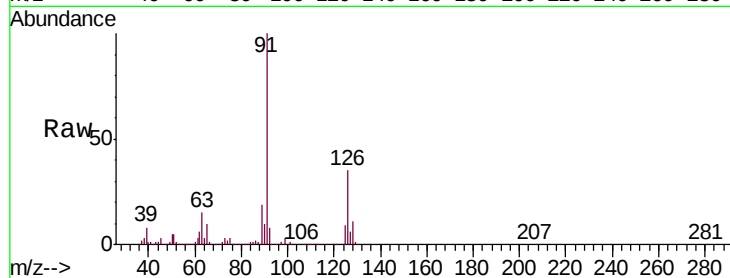
VSTDIC100

Tgt Ion: 91 Resp: 1189201

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 101.412 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005891.D

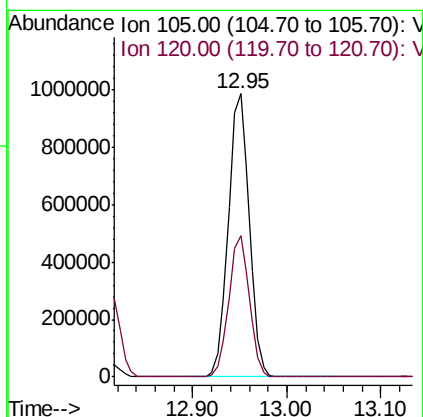
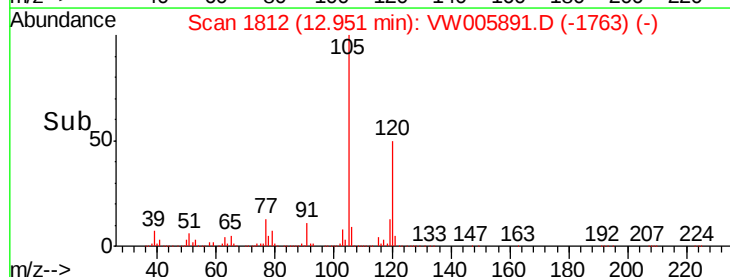
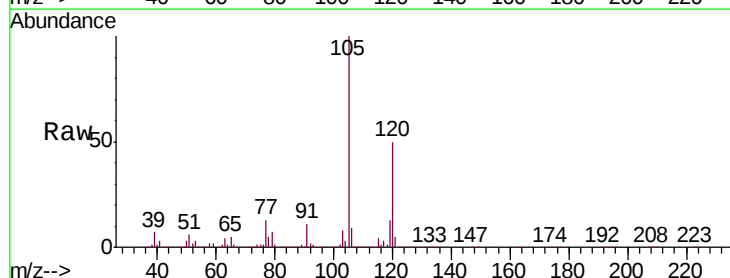
Acq: 08 Oct 2018 12:40

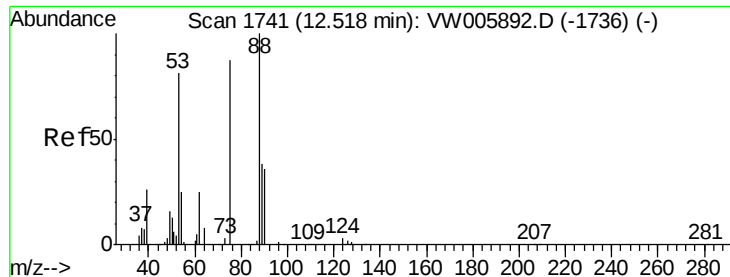
Tgt Ion: 105 Resp: 1514432

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 104.864 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

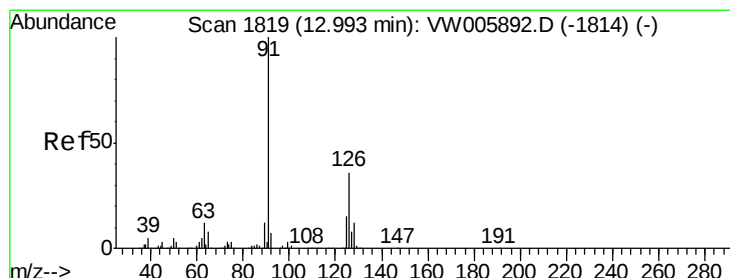
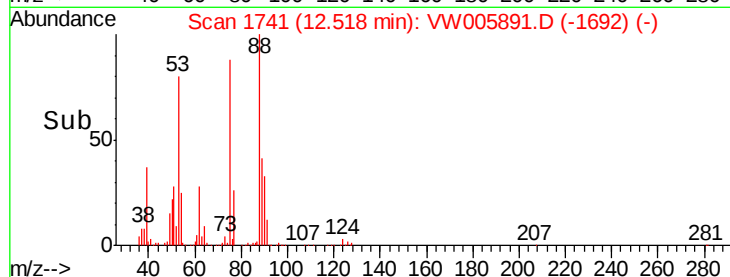
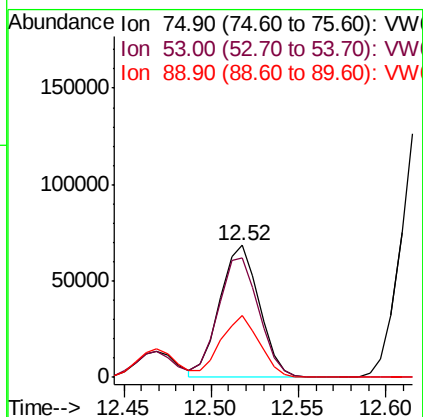
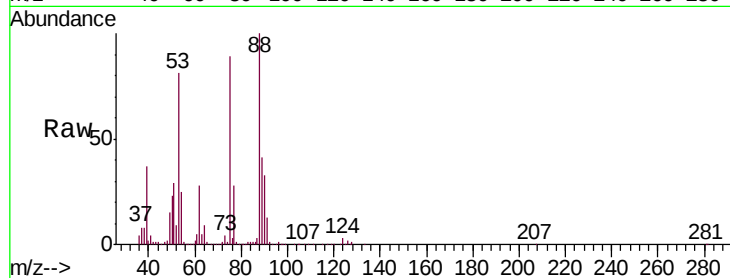
Tgt Ion: 75 Resp: 107467

Ion Ratio Lower Upper

75 100

53 93.5 76.5 114.7

89 46.5 37.6 56.4



#82

4-Chlorotoluene

Concen: 102.379 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005891.D

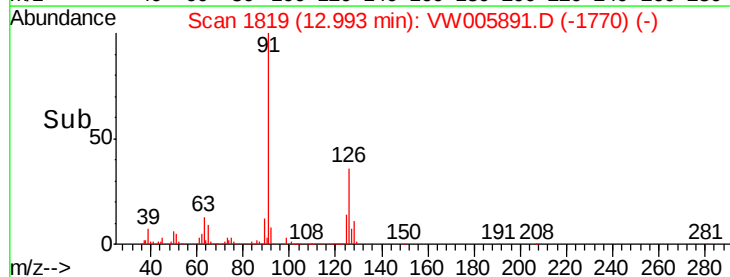
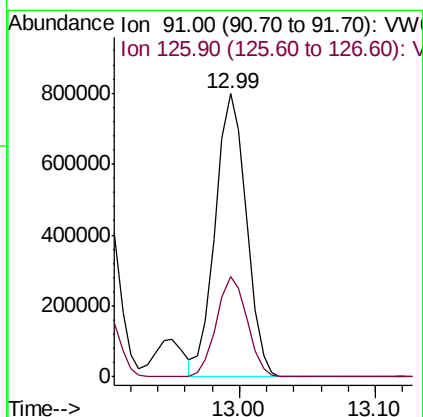
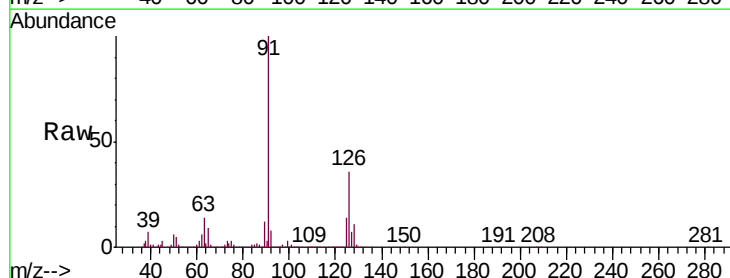
Acq: 08 Oct 2018 12:40

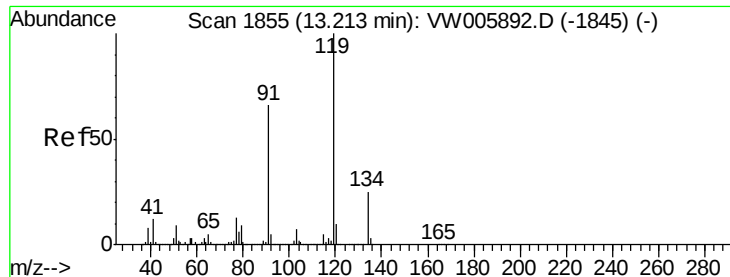
Tgt Ion: 91 Resp: 1265208

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.2

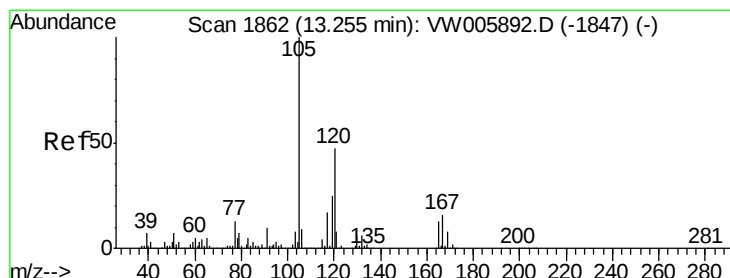
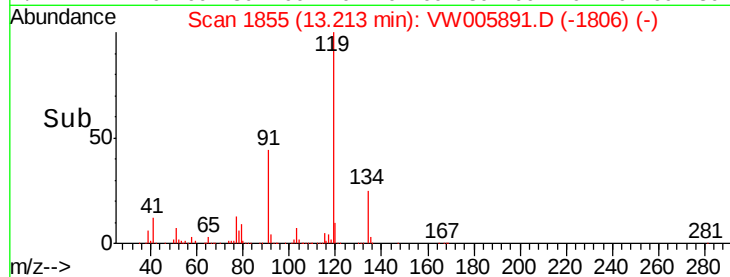
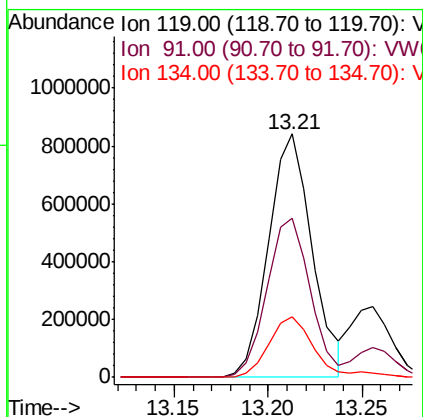
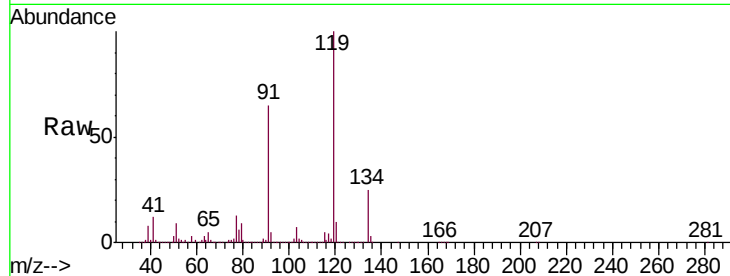




#83
 tert-Butylbenzene
 Concen: 101.647 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

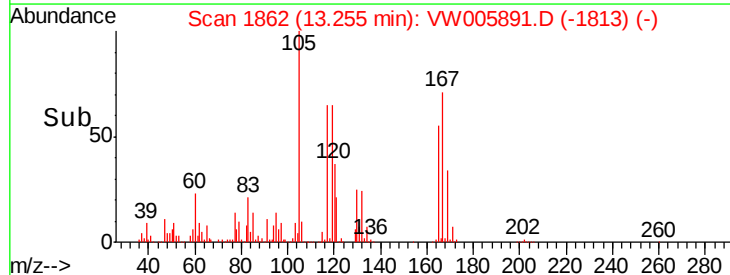
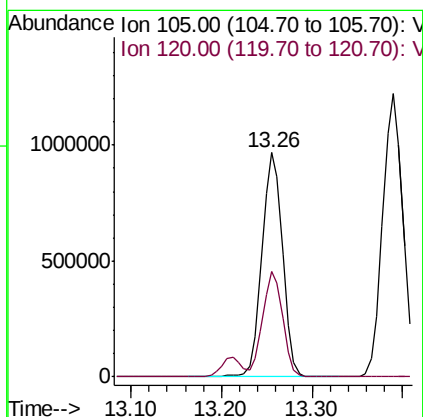
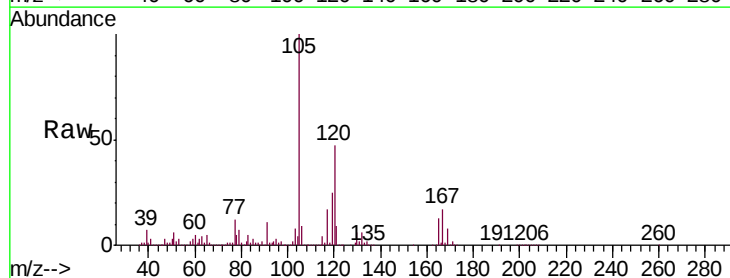
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

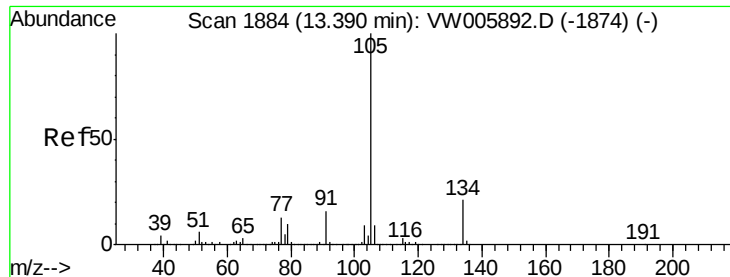
Tgt Ion:119 Resp: 1350097
 Ion Ratio Lower Upper
 119 100
 91 65.1 32.4 97.0
 134 26.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 100.984 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion:105 Resp: 1521177
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.8 68.3

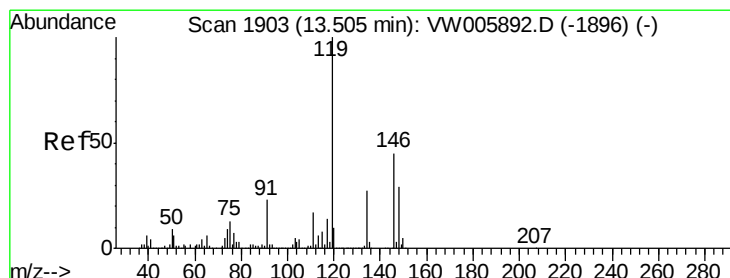
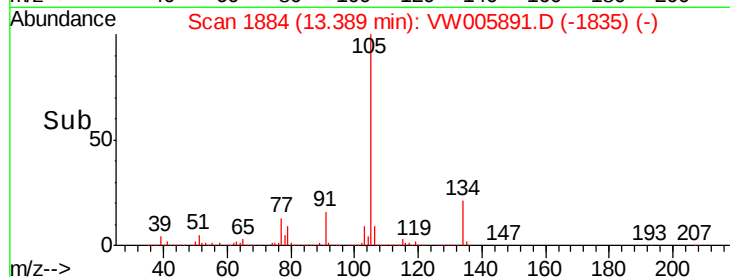
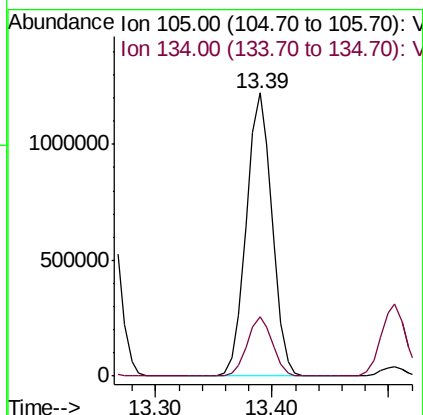
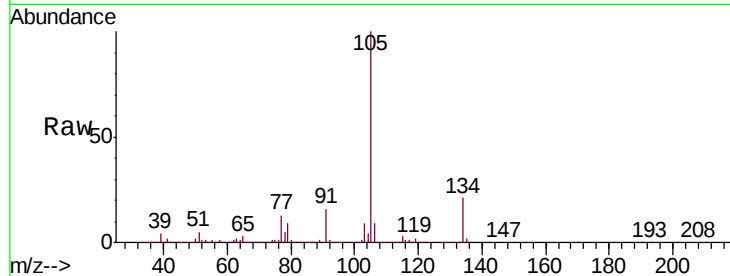




#85
 sec-Butylbenzene
 Concen: 101.122 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

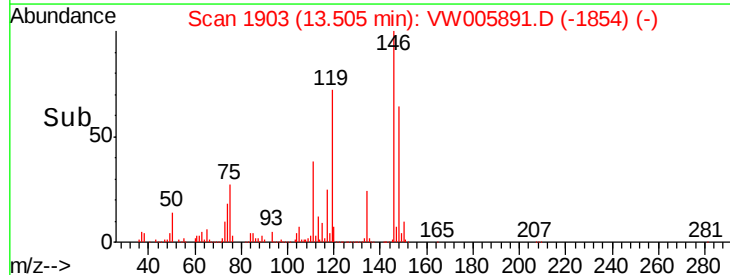
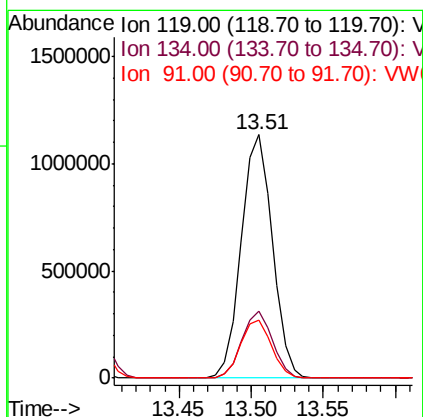
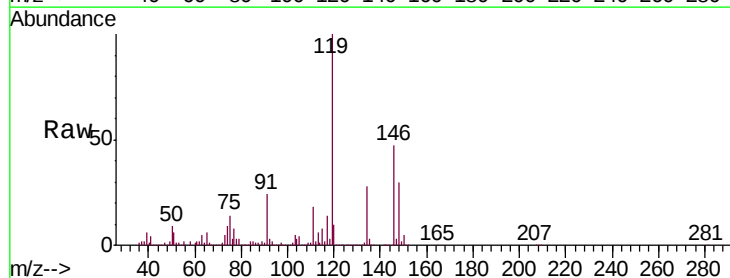
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

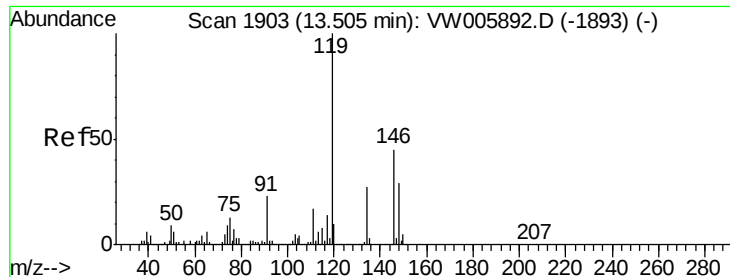
Tgt Ion:105 Resp: 1885292
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 101.048 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion:119 Resp: 1694188
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.5
 91 23.8 11.9 35.5

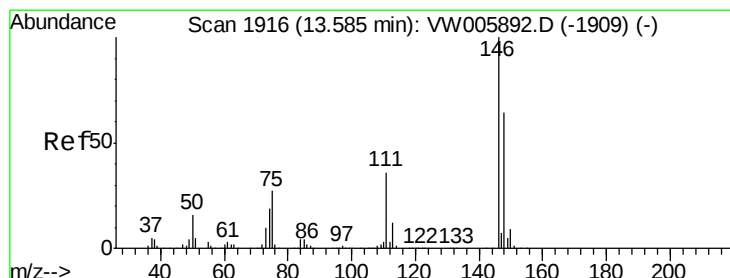
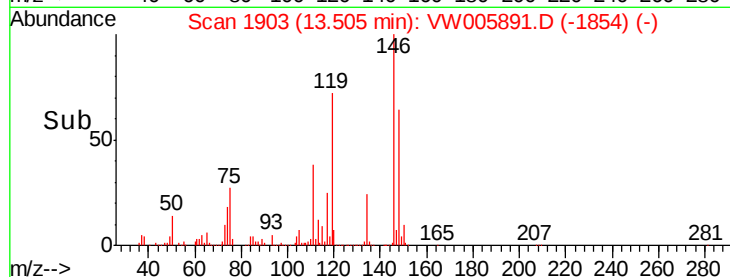
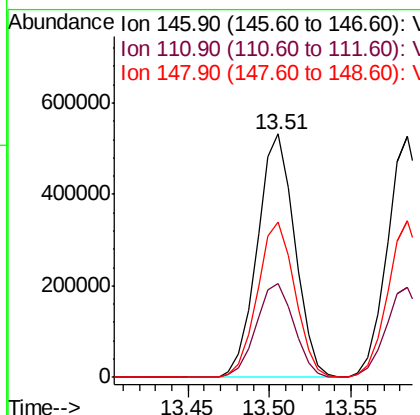
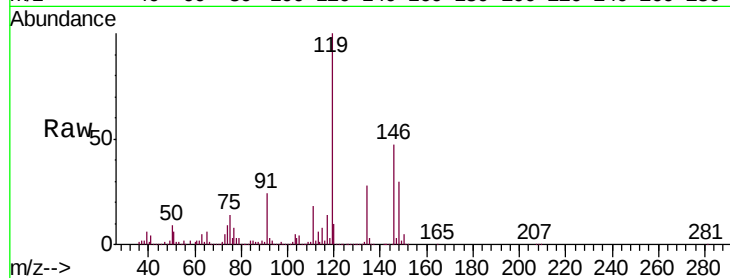




#87
 1,3-Dichlorobenzene
 Concen: 101.479 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

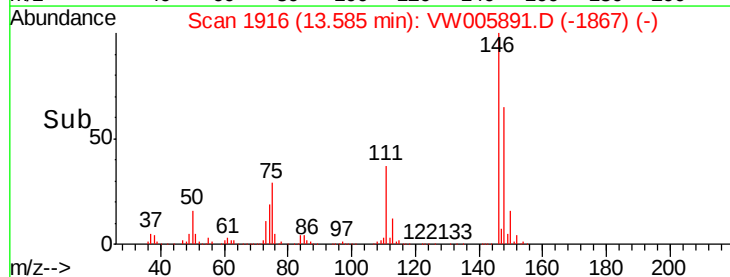
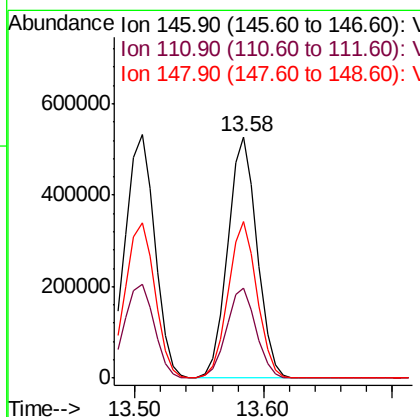
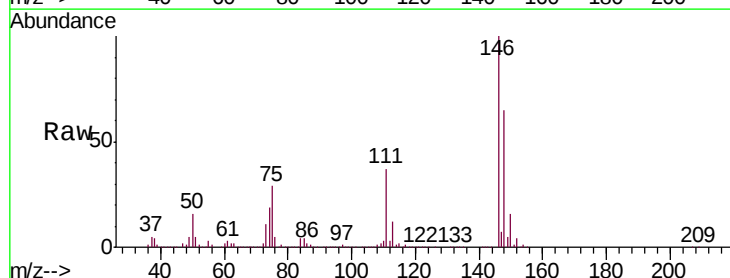
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

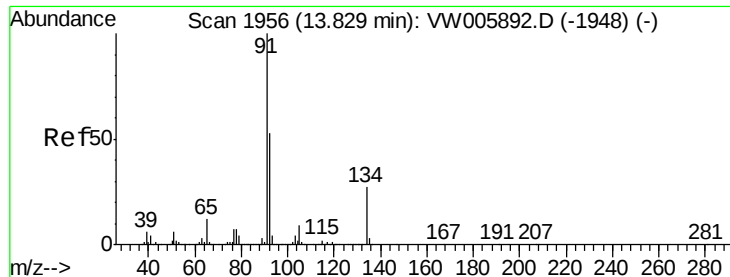
Tgt Ion:146 Resp: 844872
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.5 58.5
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 101.305 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion:146 Resp: 838117
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.0 57.0
 148 63.9 32.0 96.2





#89

n-Butylbenzene

Concen: 100.534 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

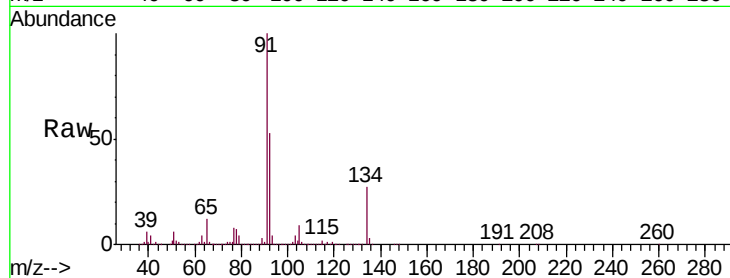
Tgt Ion: 91 Resp: 1588855

Ion Ratio Lower Upper

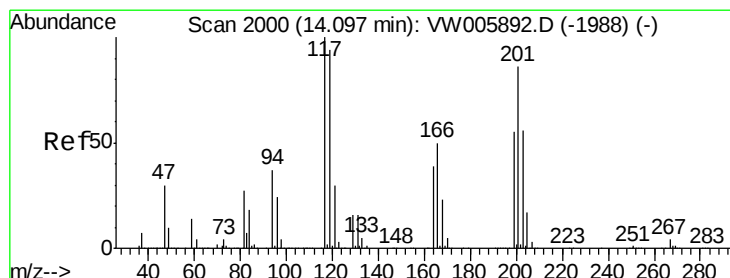
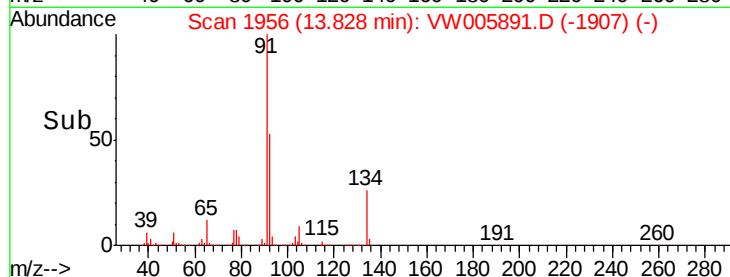
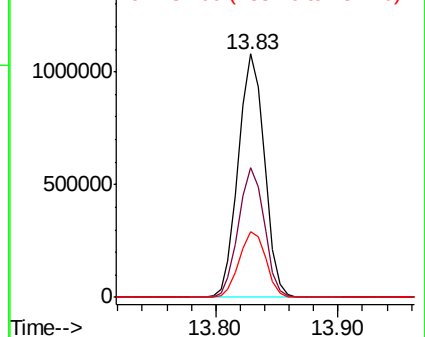
91 100

92 53.1 26.6 79.8

134 27.6 13.8 41.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 102.070 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW005891.D

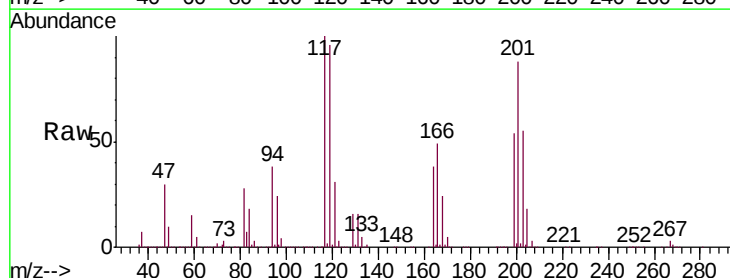
Acq: 08 Oct 2018 12:40

Tgt Ion: 117 Resp: 321861

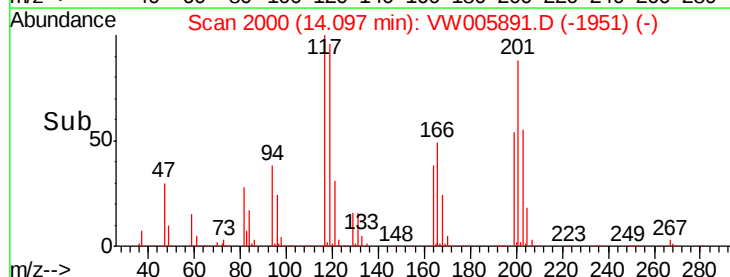
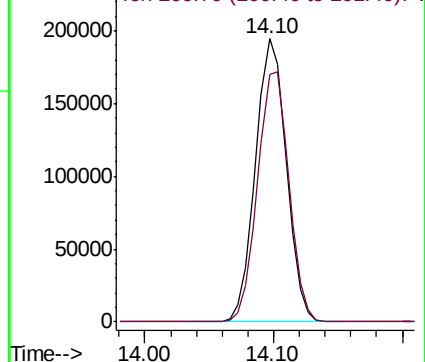
Ion Ratio Lower Upper

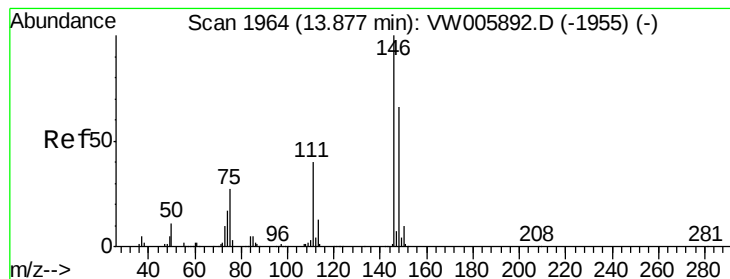
117 100

201 90.1 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 101.800 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

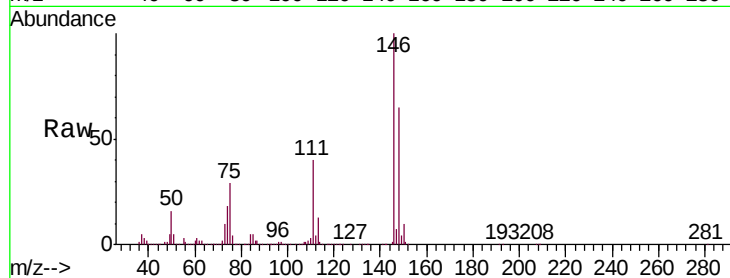
Tgt Ion:146 Resp: 752473

Ion Ratio Lower Upper

146 100

111 40.2 20.3 61.0

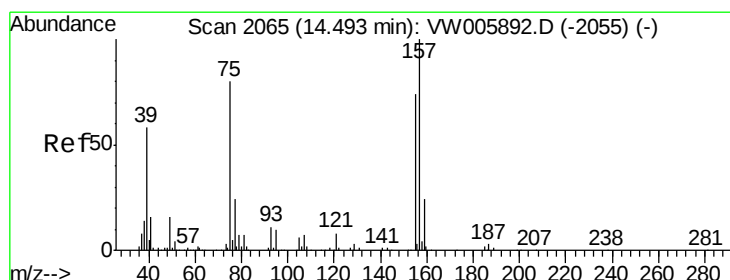
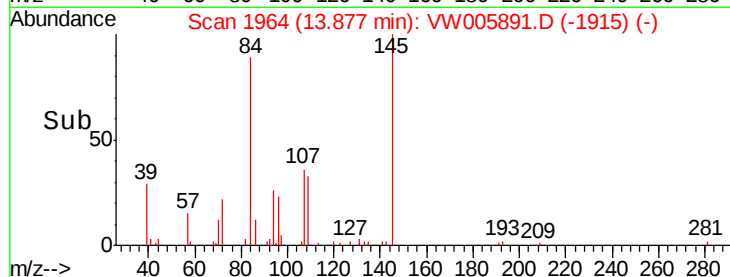
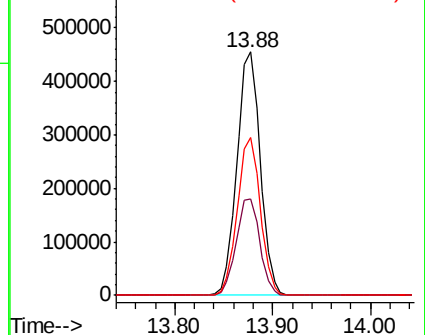
148 63.9 32.5 97.4



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: 104.091 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005891.D

Acq: 08 Oct 2018 12:40

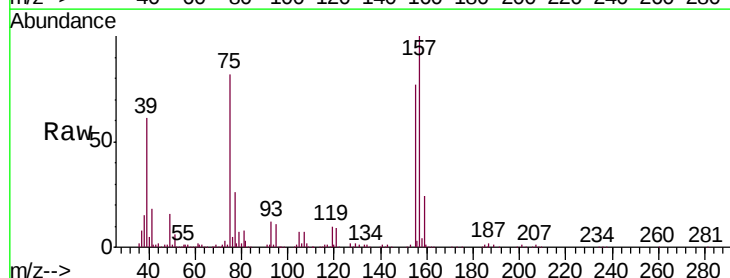
Tgt Ion: 75 Resp: 56240

Ion Ratio Lower Upper

75 100

155 90.6 44.8 134.3

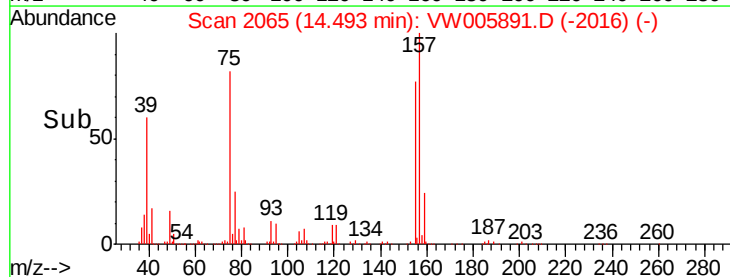
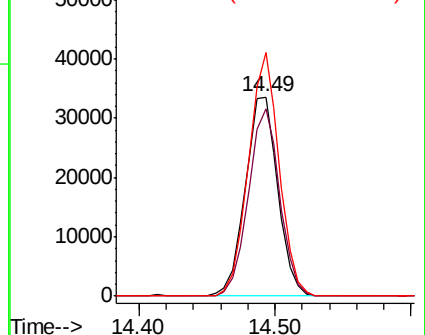
157 115.2 58.9 176.6

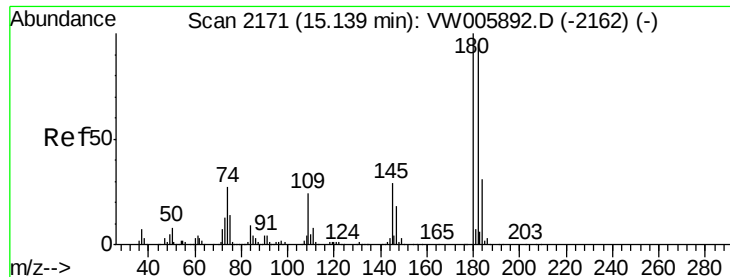


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

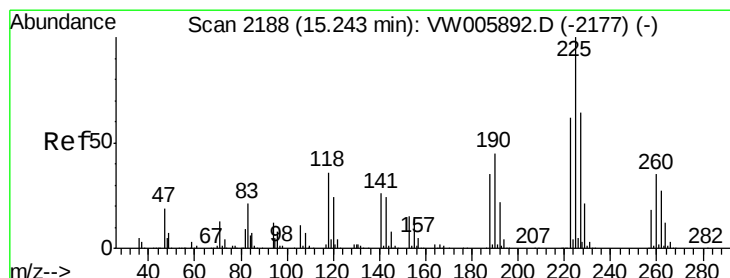
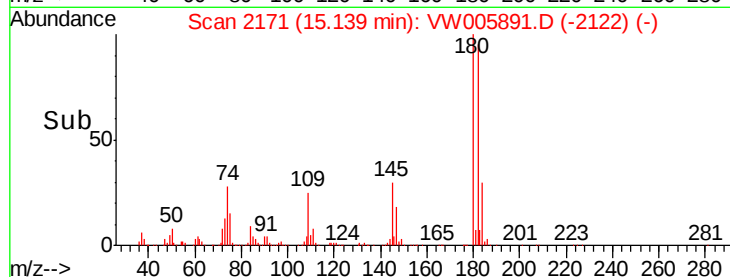
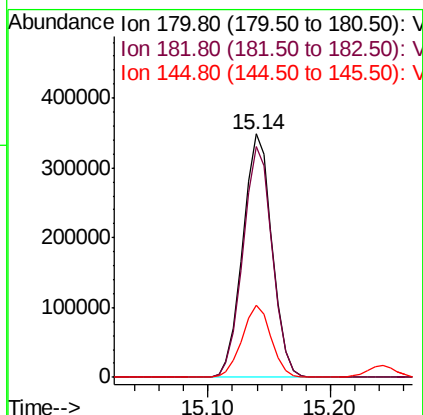
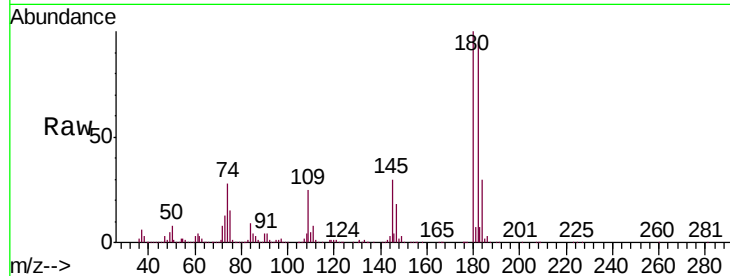




#93
 1,2,4-Trichlorobenzene
 Concen: 100.857 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

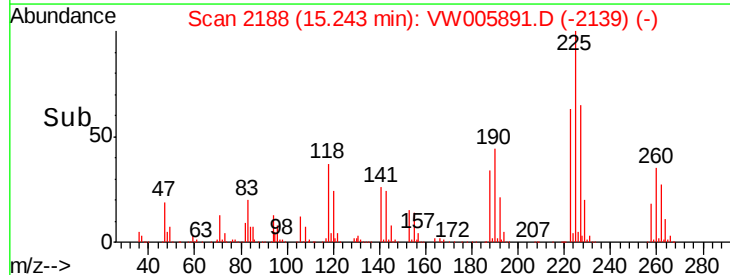
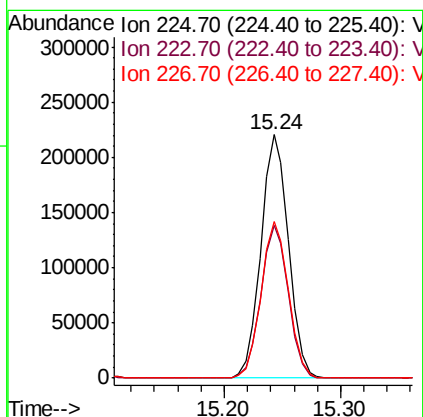
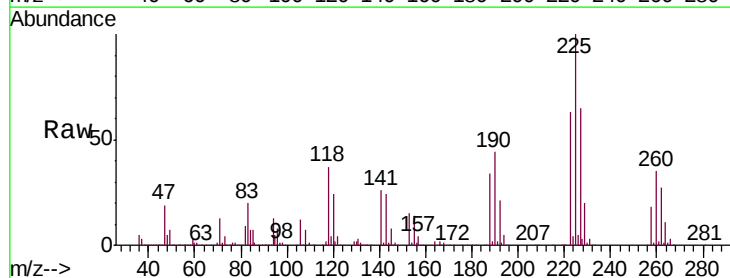
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

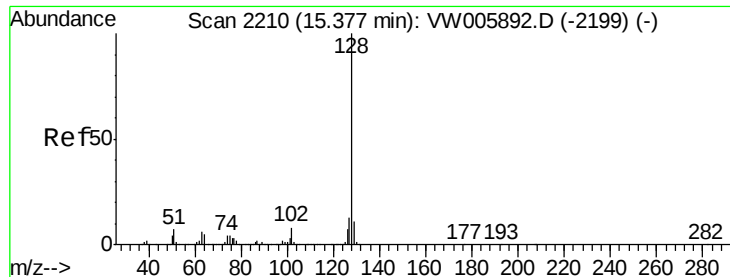
Tgt Ion:180 Resp: 578040
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.3
 145 29.4 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 101.264 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005891.D
 Acq: 08 Oct 2018 12:40

Tgt Ion:225 Resp: 362261
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.2 93.6
 227 64.1 31.9 95.9

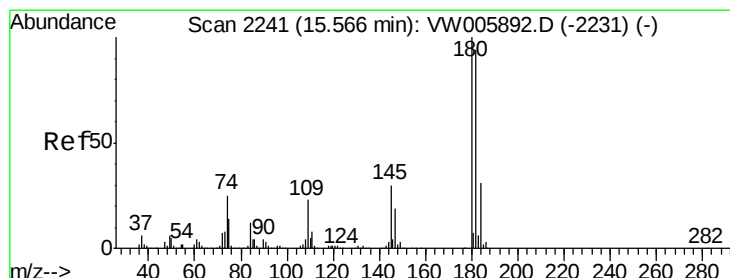
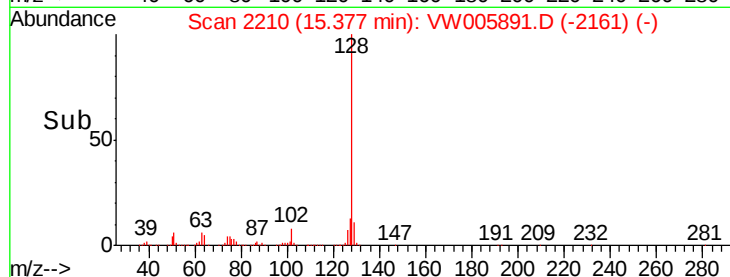
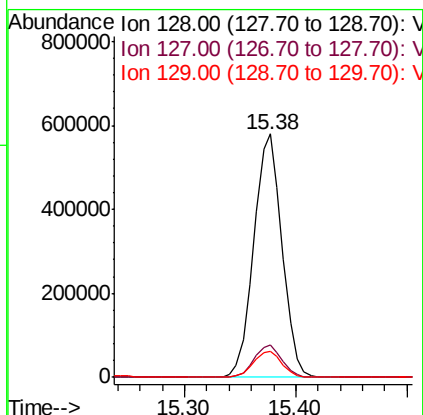
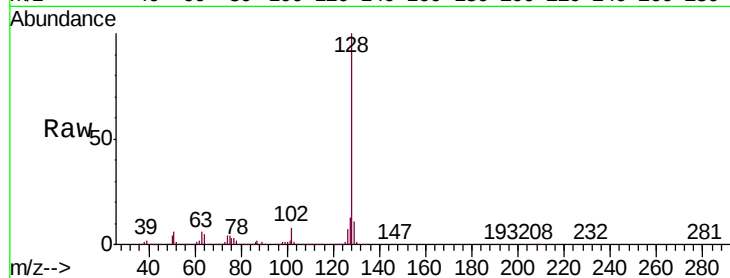




#95
Naphthalene
Concen: 103.338 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1020869
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 101.540 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005891.D
Acq: 08 Oct 2018 12:40

Tgt Ion:180 Resp: 503903
Ion Ratio Lower Upper
180 100
182 95.4 47.6 142.8
145 31.0 15.3 45.9

