

Data File : VW005893.D
Acq On : 08 Oct 2018 13:32
Operator : SY/AP
Sample : VSTDICC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: Oct 09 02:02:38 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	337414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	504442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	459110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	243835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	487681	148.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.78%	
35) Dibromofluoromethane	7.88	113	475412	147.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.22%	
50) Toluene-d8	10.33	98	1836160	148.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.36%	
62) 4-Bromofluorobenzene	12.62	95	686782	145.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	248801	150.472	ug/l	97
3) Chloromethane	2.21	50	292922	150.609	ug/l	100
4) Vinyl Chloride	2.37	62	452131	146.429	ug/l	98
5) Bromomethane	2.78	94	377530	154.923	ug/l	100
6) Chloroethane	2.92	64	313496	159.358	ug/l	97
7) Trichlorofluoromethane	3.25	101	391360	159.673	ug/l	98
8) Diethyl Ether	3.68	74	218848	145.084	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	441977	142.891	ug/l	99
10) Methyl Iodide	4.26	142	747518	147.774	ug/l	100
11) Tert butyl alcohol	5.21	59	162916	678.653	ug/l	99
12) 1,1-Dichloroethene	4.03	96	430242	144.849	ug/l	99
13) Acrolein	3.89	56	140634	657.399	ug/l	97
14) Allyl chloride	4.66	41	719165	141.980	ug/l	100
15) Acrylonitrile	5.37	53	480407	731.810	ug/l	100
16) Acetone	4.14	43	415464	635.010	ug/l	98
17) Carbon Disulfide	4.37	76	1335699	148.743	ug/l	100
18) Methyl Acetate	4.67	43	251693	152.445	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	659220	142.656	ug/l	99
20) Methylene Chloride	4.91	84	441643	134.731	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	484179	149.559	ug/l	96
22) Diisopropyl ether	6.31	45	1386788	146.456	ug/l	99
23) Vinyl Acetate	6.26	43	4319634	741.185	ug/l	99
24) 1,1-Dichloroethane	6.21	63	853088	147.221	ug/l	100
25) 2-Butanone	7.18	43	641444	689.297	ug/l	99
26) 2,2-Dichloropropane	7.17	77	535200	131.237	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	543933	148.568	ug/l	98
28) Bromochloromethane	7.51	49	294613	137.740	ug/l	99
29) Tetrahydrofuran	7.53	42	425763	723.767	ug/l	100
30) Chloroform	7.68	83	884700	148.640	ug/l	99
31) Cyclohexane	7.95	56	773992	134.973	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	769733	145.218	ug/l	100
36) 1,1-Dichloropropene	8.09	75	693580	143.494	ug/l	100
37) Ethyl Acetate	7.26	43	299238	146.192	ug/l	99
38) Carbon Tetrachloride	8.07	117	759907	146.331	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	917799	143.962	ug/l	99
40) Benzene	8.32	78	1930296	145.913	ug/l	100
41) Methacrylonitrile	7.49	41	185547	144.791	ug/l	96
42) 1,2-Dichloroethane	8.40	62	585969	146.612	ug/l	100
43) Isopropyl Acetate	8.43	43	634933	148.496	ug/l	100
44) Trichloroethene	9.09	130	568129	148.014	ug/l	98
45) 1,2-Dichloropropane	9.37	63	483107	145.892	ug/l	100
46) Dibromomethane	9.46	93	269761	148.223	ug/l	100
47) Bromodichloromethane	9.65	83	680686	148.627	ug/l	98
48) Methyl methacrylate	9.44	41	303148	148.833	ug/l	99
49) 1,4-Dioxane	9.47	88	82289	2976.669	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	1529761	734.712	ug/l	99
52) Toluene	10.39	92	1286241	147.998	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	713759	149.133	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	794821	147.735	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	373089	148.004	ug/l	100
56) Ethyl methacrylate	10.65	69	509864	150.069	ug/l	99
57) 1,3-Dichloropropane	10.93	76	624120	147.172	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	990377	716.397	ug/l	100
59) 2-Hexanone	10.97	43	1065140	713.461	ug/l	98
60) Dibromochloromethane	11.13	129	489998	150.632	ug/l	100
61) 1,2-Dibromoethane	11.24	107	375065	148.897	ug/l	100
64) Tetrachloroethene	10.87	164	511434	149.545	ug/l	98
65) Chlorobenzene	11.66	112	1432552	145.670	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	539921	149.785	ug/l	99
67) Ethyl Benzene	11.73	91	2505633	144.248	ug/l	98
68) m/p-Xylenes	11.84	106	1972609	290.592	ug/l	99
69) o-Xylene	12.17	106	951400	146.396	ug/l	100
70) Styrene	12.18	104	1591821	147.629	ug/l	100
71) Bromoform	12.35	173	328723	153.097	ug/l #	99
73) Isopropylbenzene	12.47	105	2616050	146.906	ug/l	100
74) N-amyl acetate	12.27	43	629190	148.773	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	429892	147.285	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	591618	158.519	ug/l #	100
77) Bromobenzene	12.75	156	630065	149.340	ug/l	99
78) n-propylbenzene	12.81	91	3021657	144.246	ug/l	100
79) 2-Chlorotoluene	12.90	91	1723271	145.730	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	2172749	144.520	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	154433	149.682	ug/l	98
82) 4-Chlorotoluene	12.99	91	1819238	146.223	ug/l	99
83) tert-Butylbenzene	13.21	119	1948734	145.734	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	2186220	144.159	ug/l	100
85) sec-Butylbenzene	13.39	105	2694604	143.562	ug/l	100
86) p-Isopropyltoluene	13.51	119	2431897	144.075	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1226885	146.375	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1204047	144.560	ug/l	100
89) n-Butylbenzene	13.83	91	2255951	141.787	ug/l	100
90) Hexachloroethane	14.10	117	460800	145.151	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	1085061	145.811	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	79839	146.778	ug/l	99

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

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ClientSampleId :
VSTDICC150

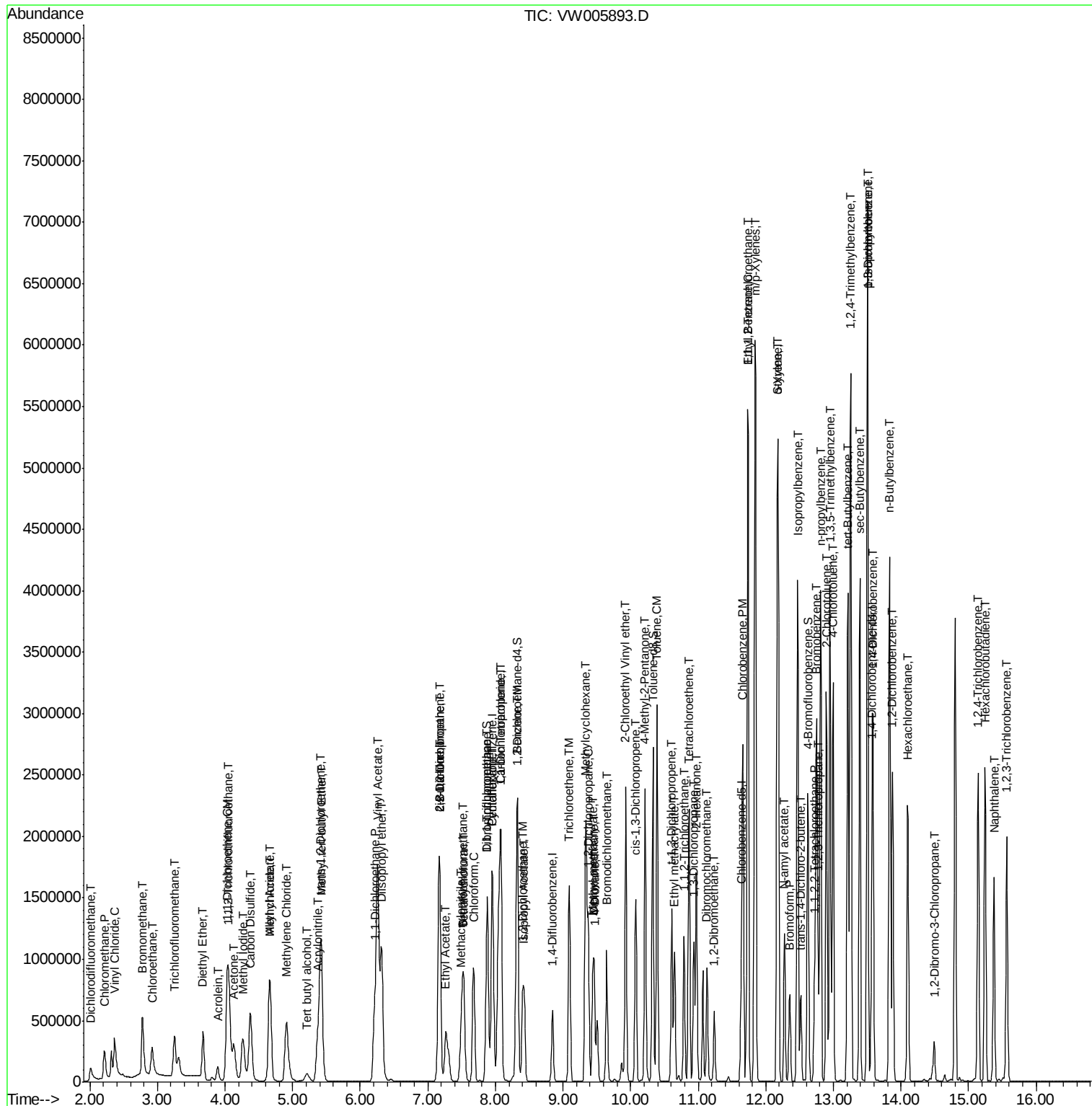
Quant Time: Oct 09 02:02:38 2018
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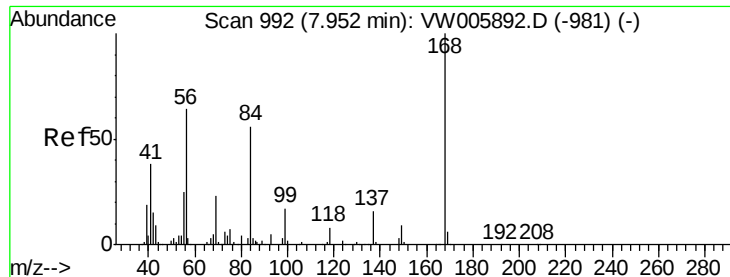
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	827764	143.460	ug/l	100
94) Hexachlorobutadiene	15.24	225	521305	144.745	ug/l	100
95) Naphthalene	15.38	128	1466418	147.443	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	723333	144.780	ug/l	100

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

Instrument :
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VSTDICC150

Quant Time: Oct 09 02:02:38 2018
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

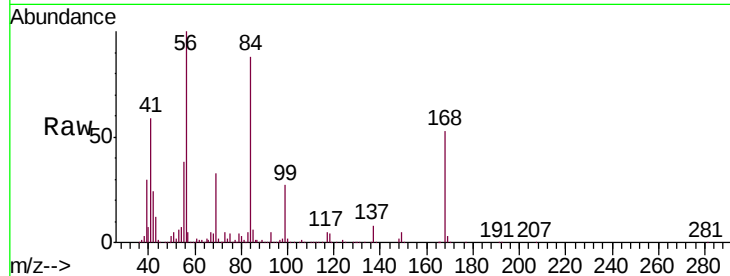
VSTDIC150

Tgt Ion:168 Resp: 337414

Ion Ratio Lower Upper

168 100

99 51.4 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

200000

150000

100000

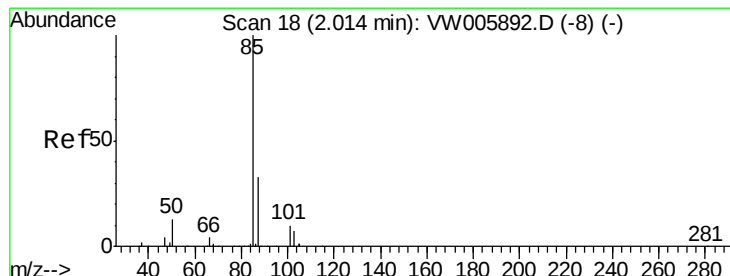
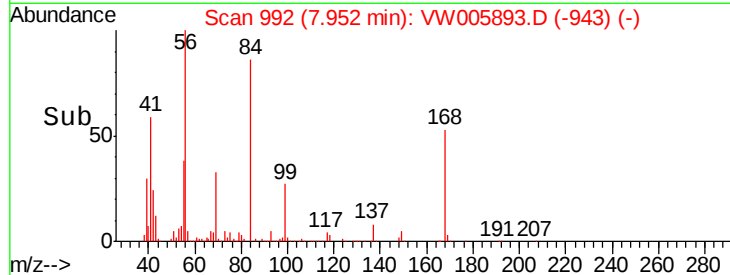
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 150.472 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005893.D

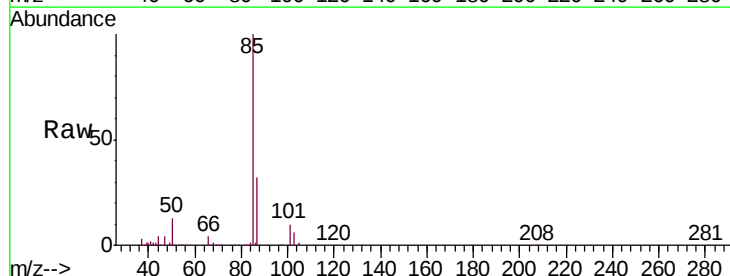
Acq: 08 Oct 2018 13:32

Tgt Ion: 85 Resp: 248801

Ion Ratio Lower Upper

85 100

87 31.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

40000

20000

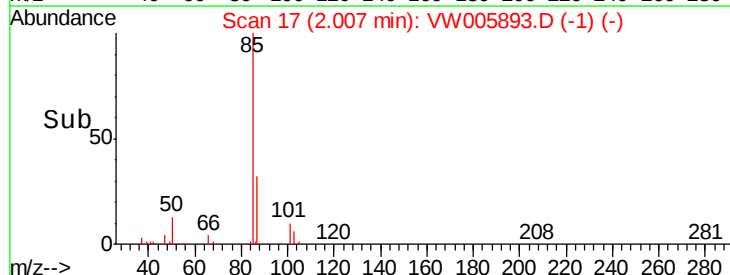
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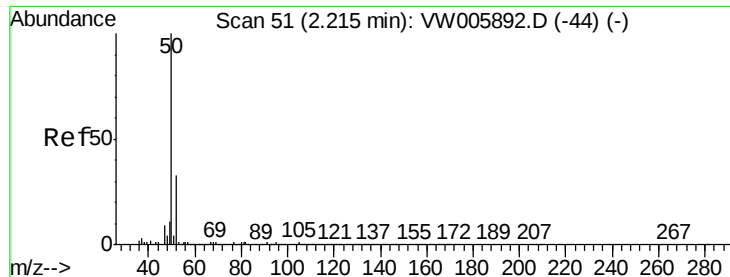
2.00

2.20

2.40

Time-->





#3

Chloromethane

Concen: 150.609 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

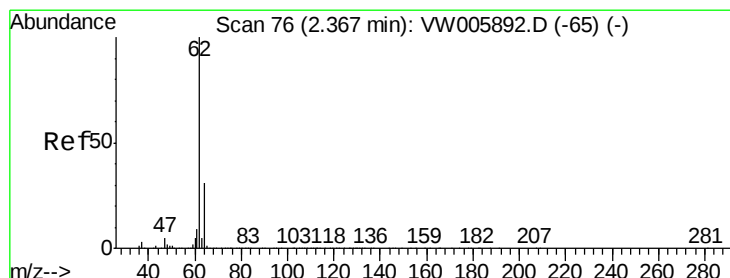
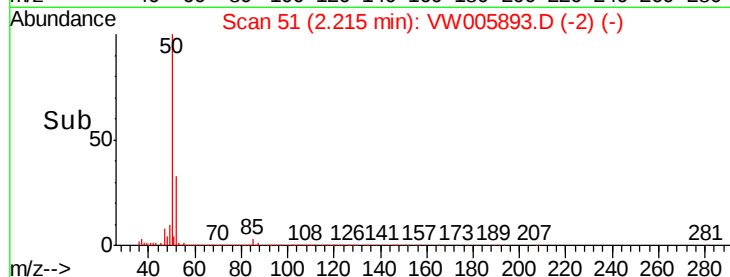
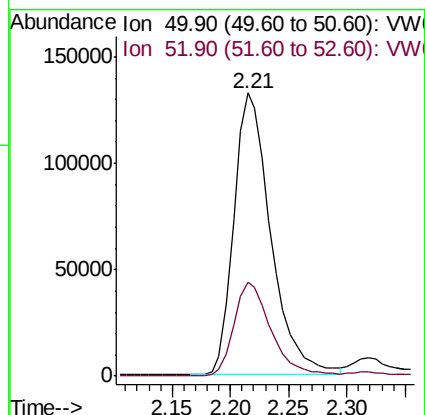
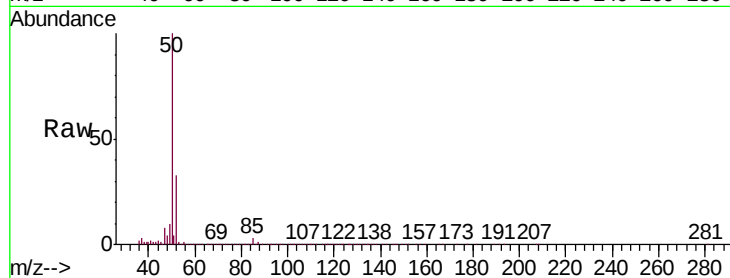
VSTDICC150

Tgt Ion: 50 Resp: 292922

Ion Ratio Lower Upper

50 100

52 33.2 26.7 40.1



#4

Vinyl Chloride

Concen: 146.429 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005893.D

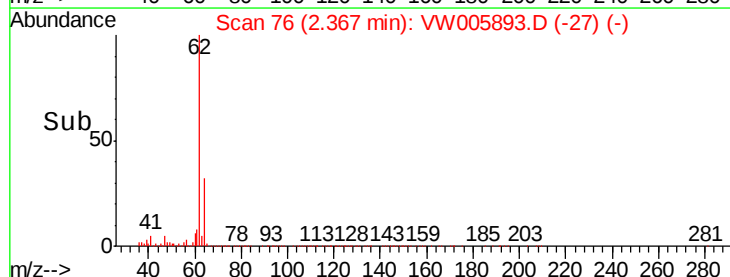
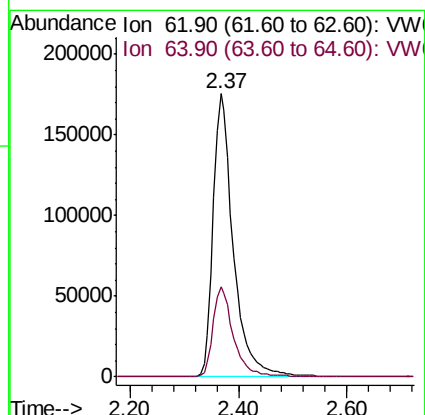
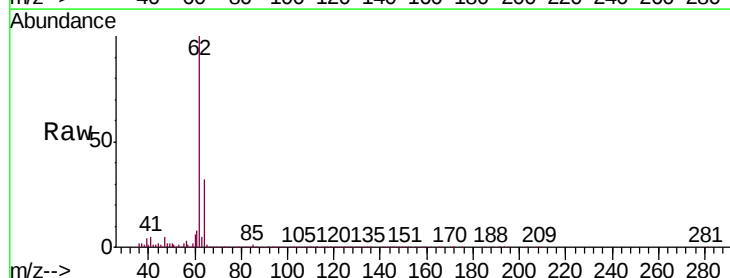
Acq: 08 Oct 2018 13:32

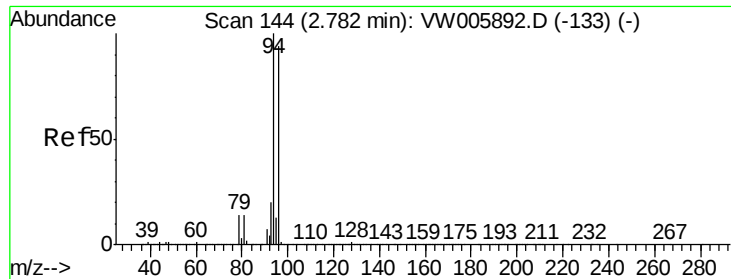
Tgt Ion: 62 Resp: 452131

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 154.923 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

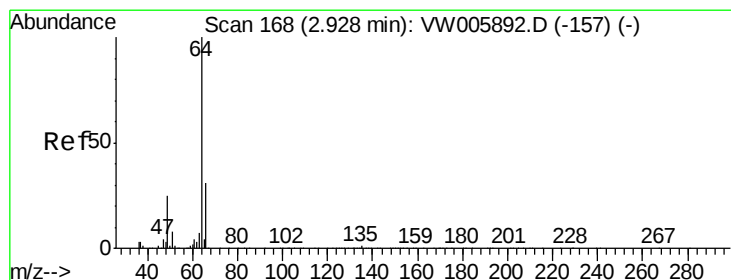
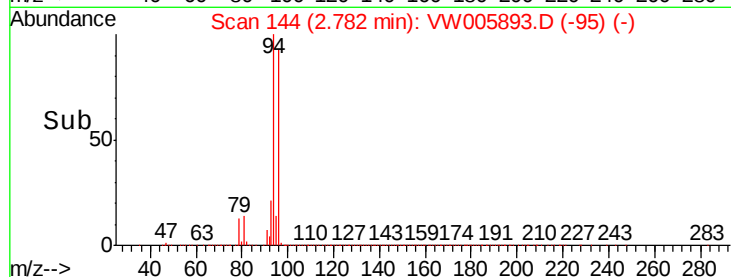
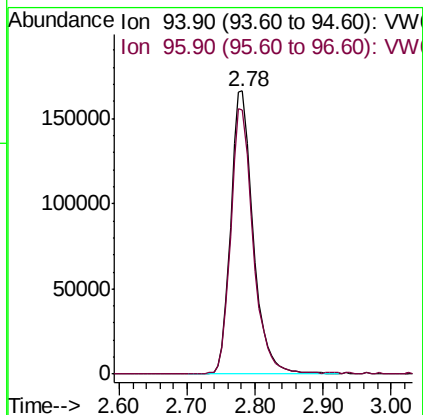
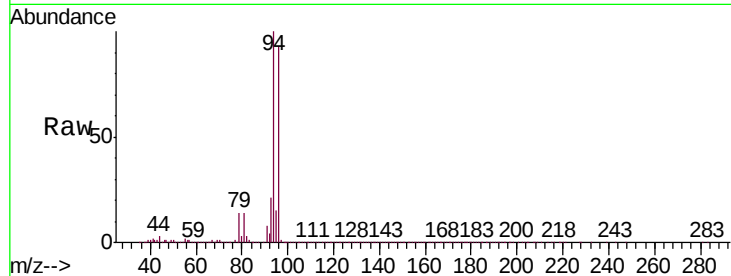
VSTDIC150

Tgt Ion: 94 Resp: 377530

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.4



#6

Chloroethane

Concen: 159.358 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW005893.D

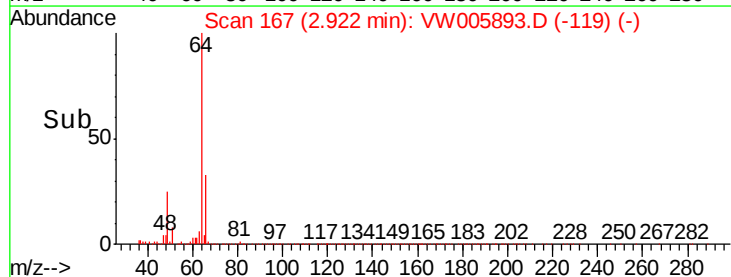
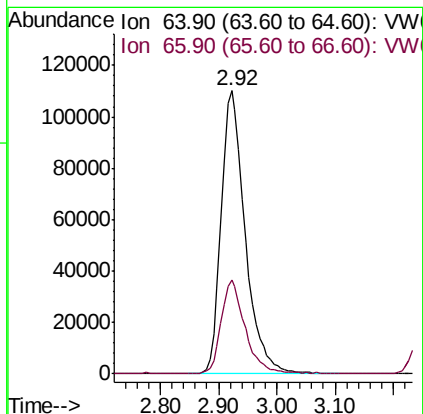
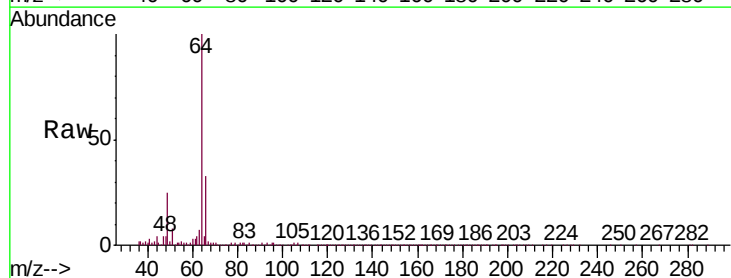
Acq: 08 Oct 2018 13:32

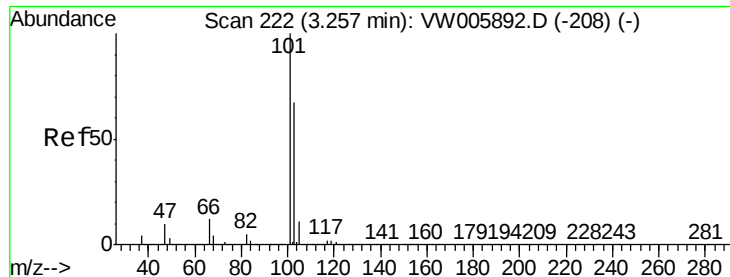
Tgt Ion: 64 Resp: 313496

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.4



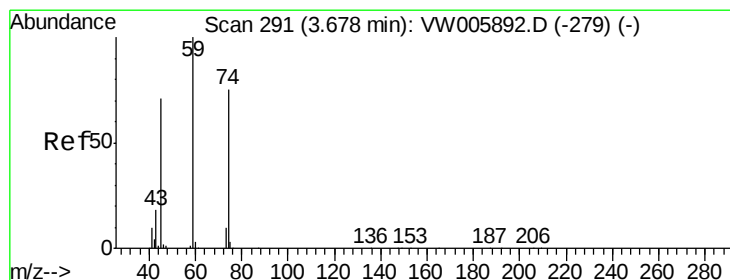
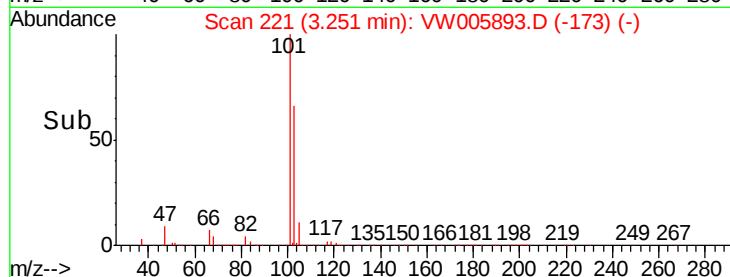
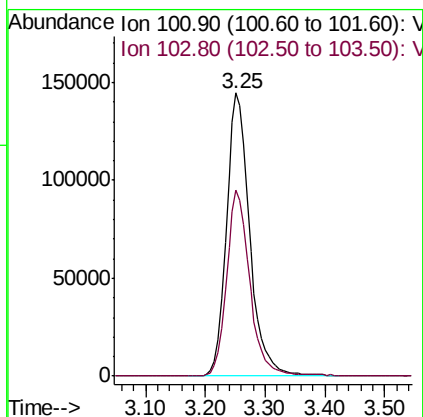
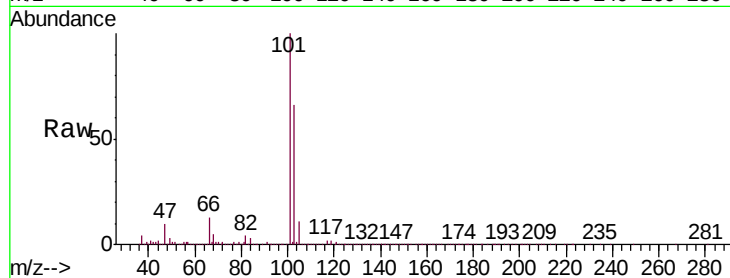


#7

Trichlorofluoromethane
Concen: 159.673 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW005893.D
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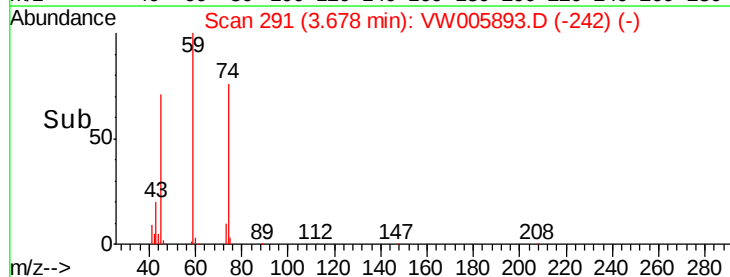
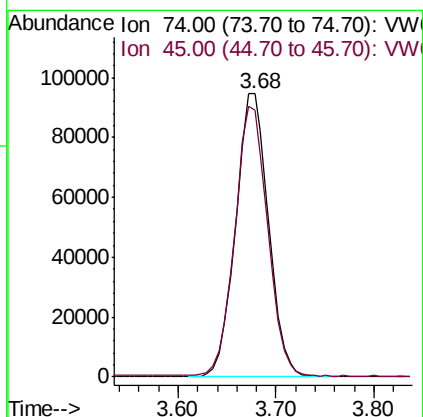
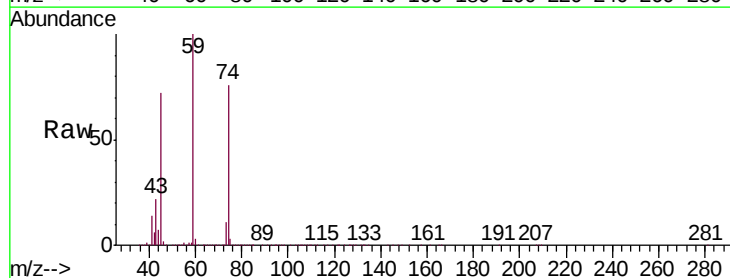
Tgt Ion: 101 Resp: 391360
Ion Ratio Lower Upper
101 100
103 65.6 53.5 80.3

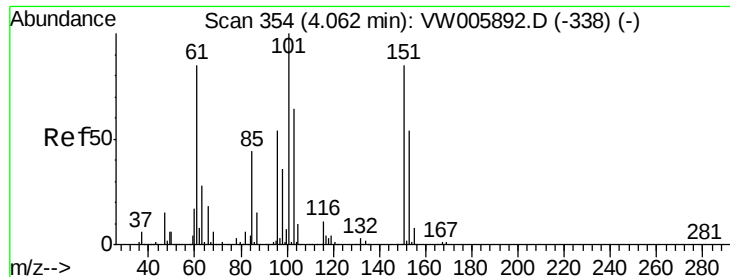


#8

Diethyl Ether
Concen: 145.084 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 74 Resp: 218848
Ion Ratio Lower Upper
74 100
45 95.7 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.891 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005893.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

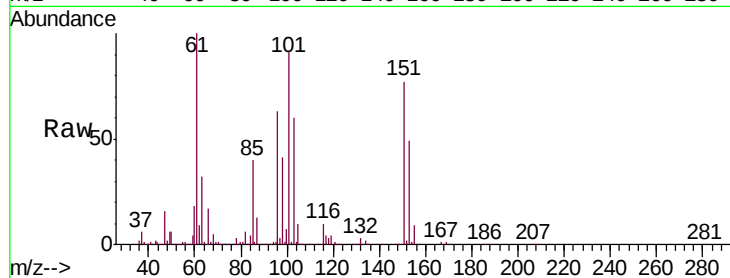
Tgt Ion:101 Resp: 441977

Ion Ratio Lower Upper

101 100

85 44.3 35.1 52.7

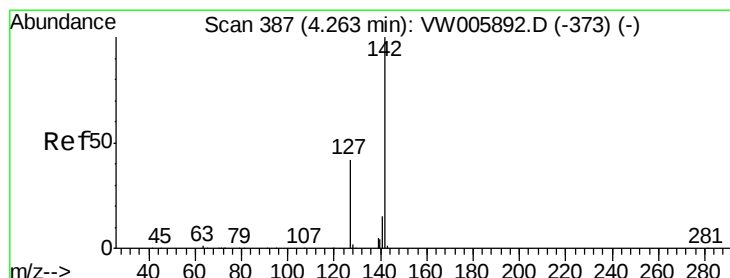
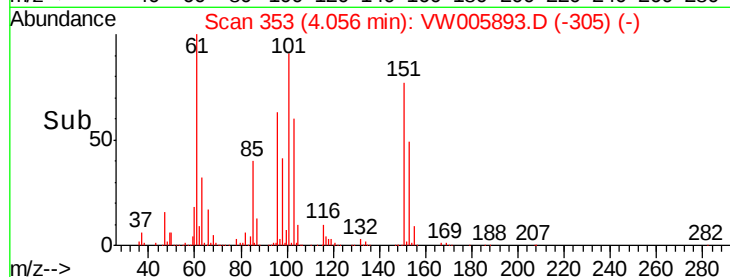
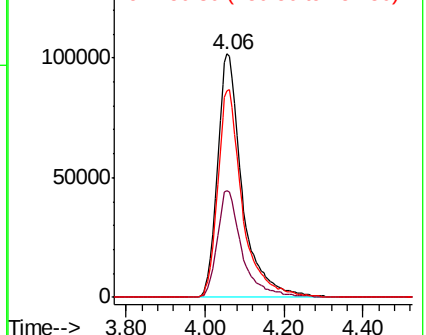
151 85.3 67.7 101.5



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: 147.774 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

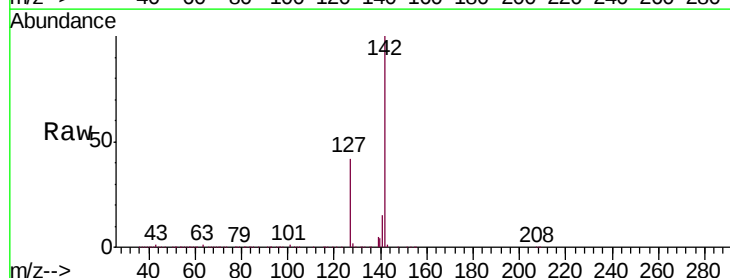
Tgt Ion:142 Resp: 747518

Ion Ratio Lower Upper

142 100

127 41.9 33.7 50.5

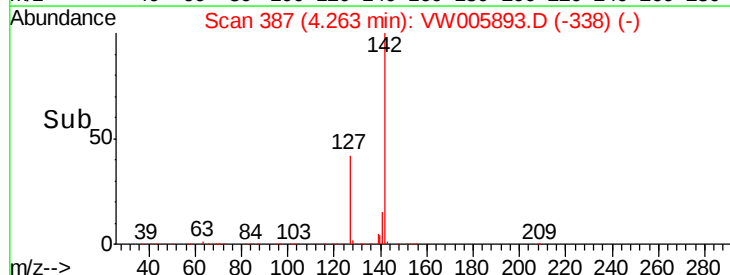
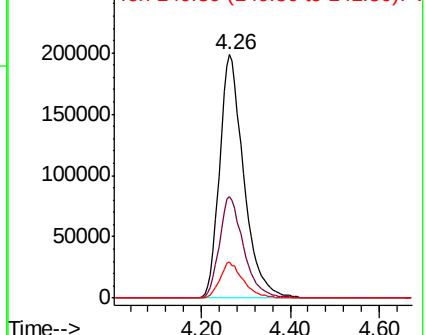
141 14.4 11.5 17.3

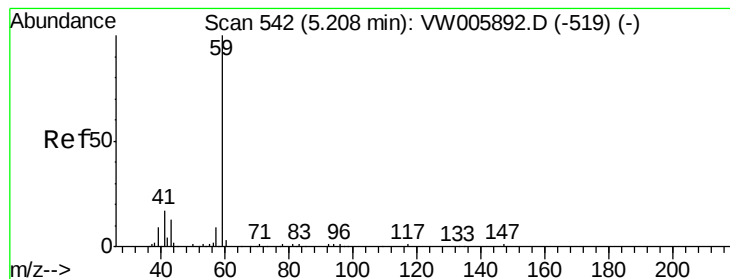


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



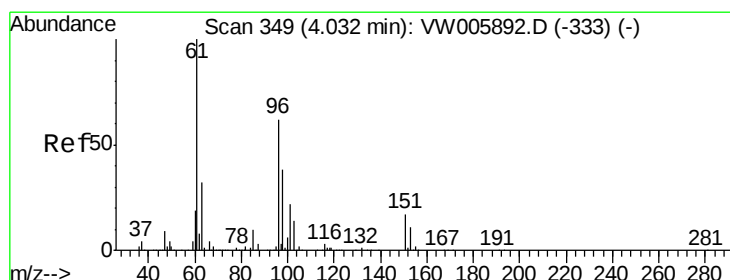
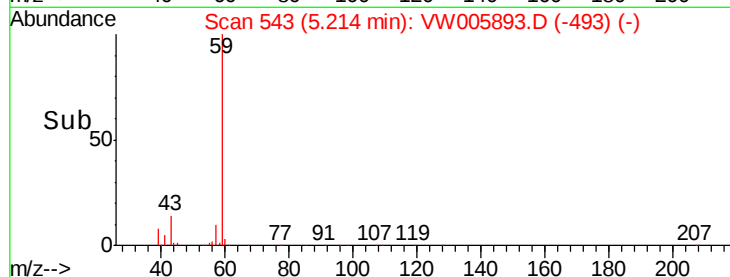
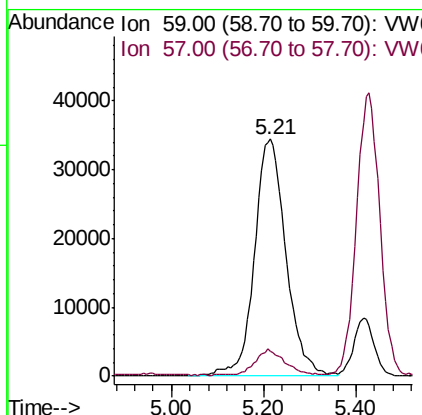
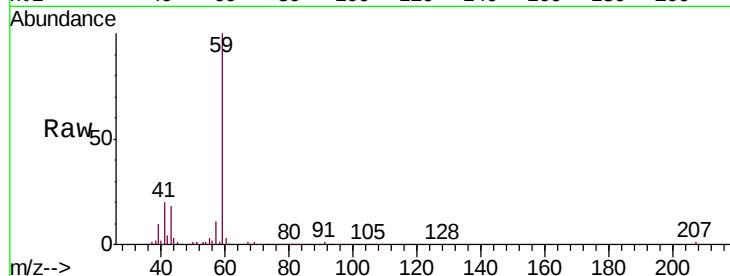


#11

Tert butyl alcohol
 Concen: 678.653 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.01 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

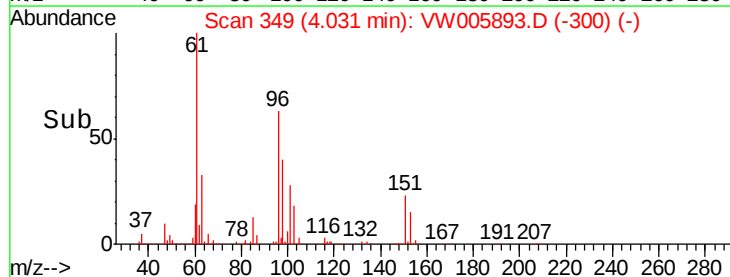
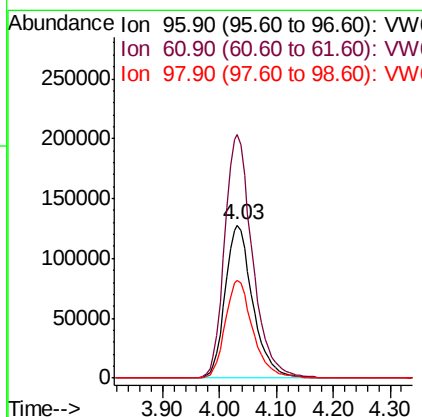
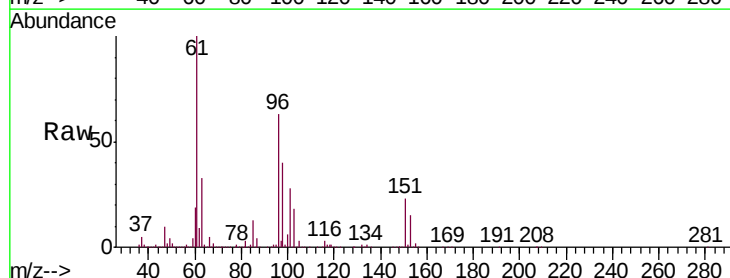
Tgt Ion: 59 Resp: 162916
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.7 11.5

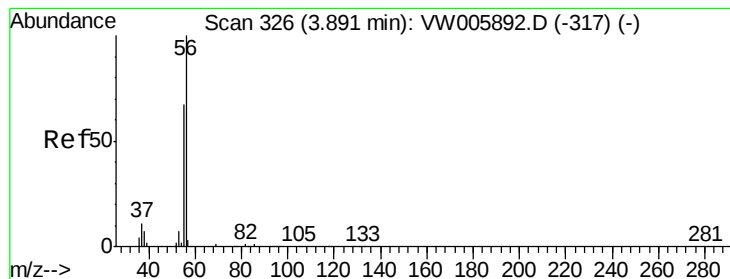


#12

1,1-Dichloroethene
 Concen: 144.849 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion: 96 Resp: 430242
 Ion Ratio Lower Upper
 96 100
 61 159.5 128.6 193.0
 98 63.7 49.4 74.0





#13

Acrolein

Concen: 657.399 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

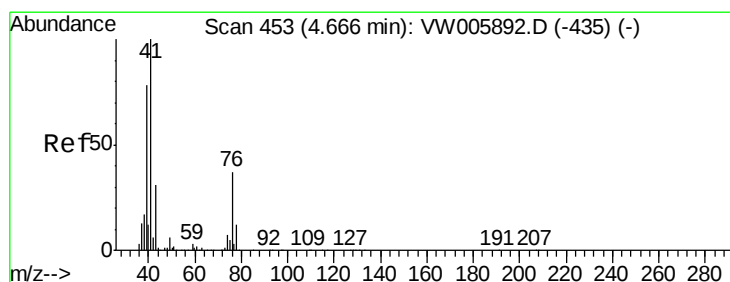
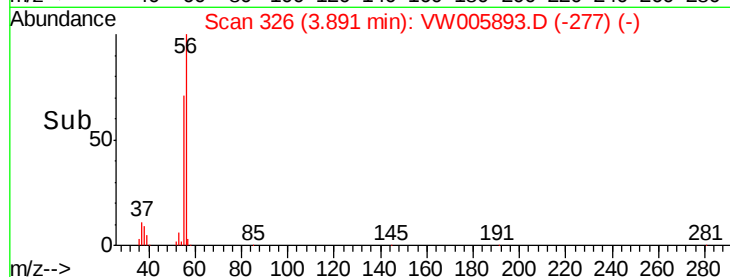
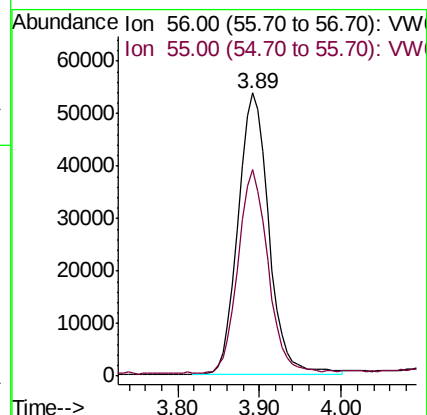
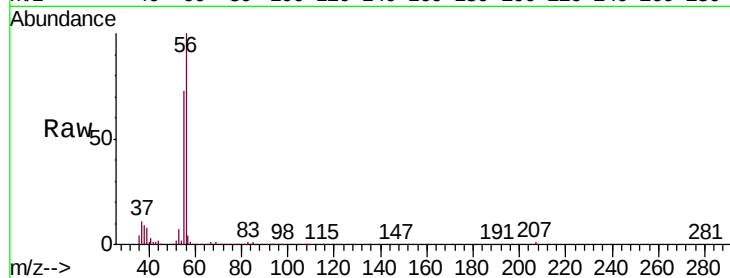
VSTDIC150

Tgt Ion: 56 Resp: 140634

Ion Ratio Lower Upper

56 100

55 70.4 54.6 82.0



#14

Allyl chloride

Concen: 141.980 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

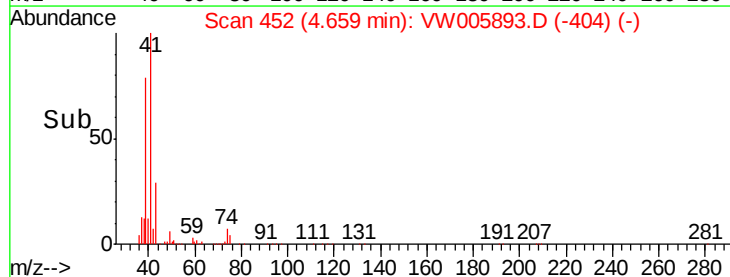
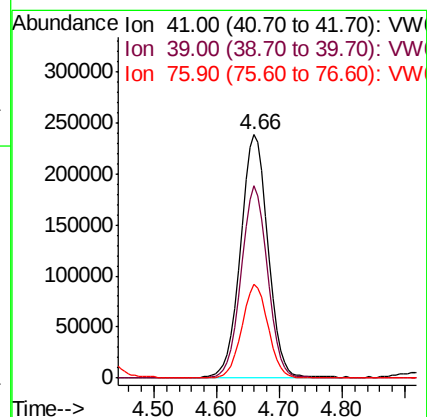
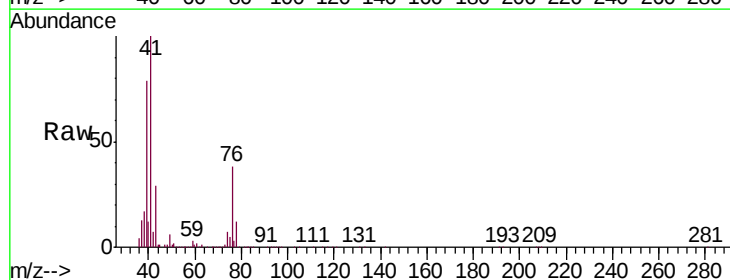
Tgt Ion: 41 Resp: 719165

Ion Ratio Lower Upper

41 100

39 76.0 60.8 91.2

76 36.7 29.6 44.4





#15

Acrylonitrile

Concen: 731.810 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

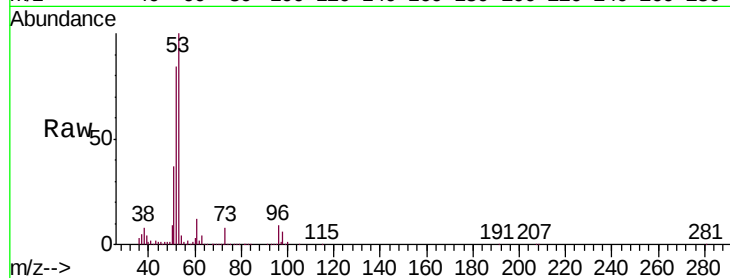
Tgt Ion: 53 Resp: 480407

Ion Ratio Lower Upper

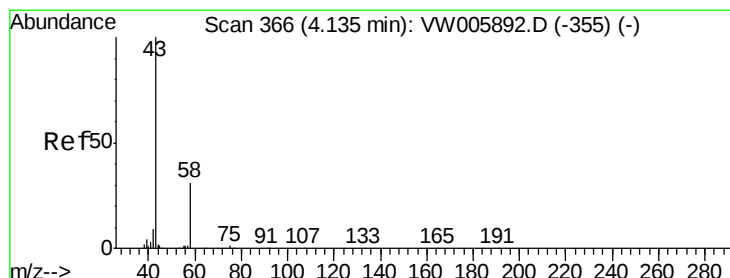
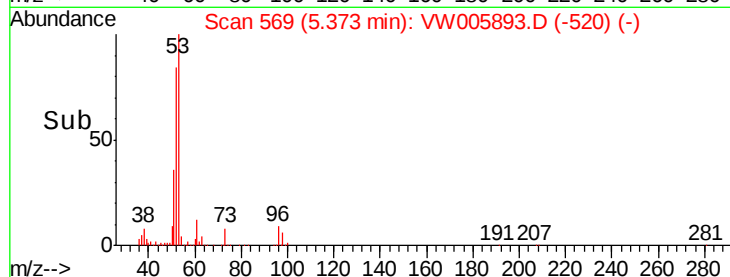
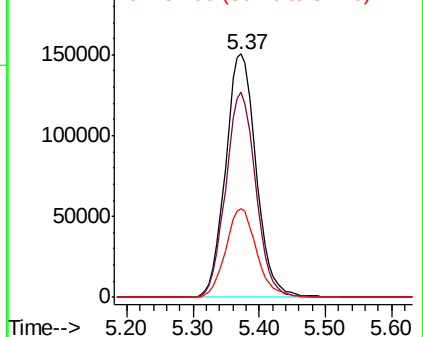
53 100

52 83.0 66.8 100.2

51 37.0 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: 635.010 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW005893.D

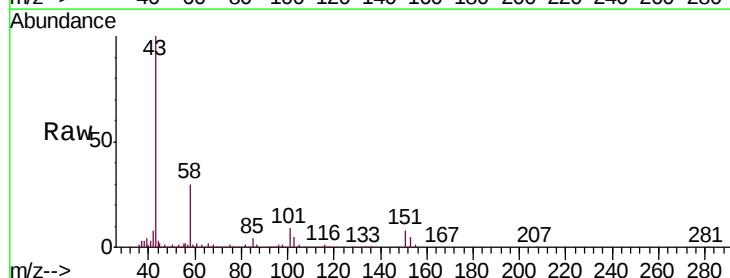
Acq: 08 Oct 2018 13:32

Tgt Ion: 43 Resp: 415464

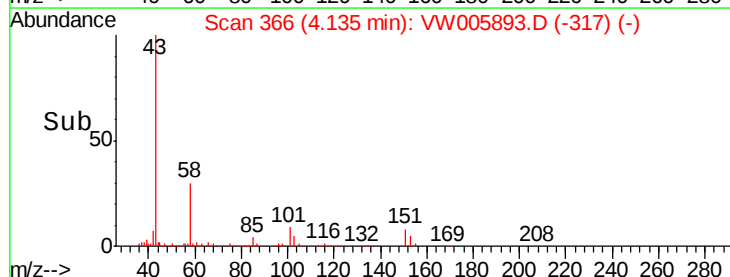
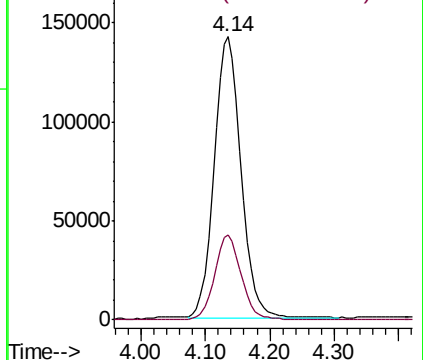
Ion Ratio Lower Upper

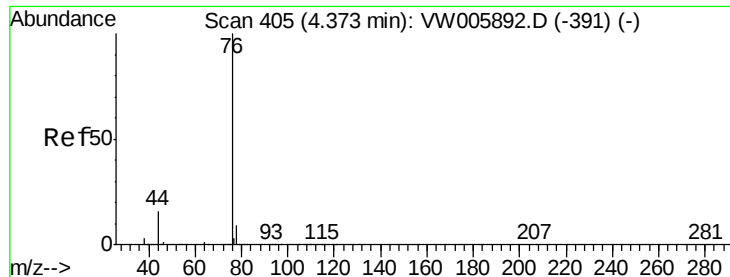
43 100

58 29.9 24.7 37.1



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

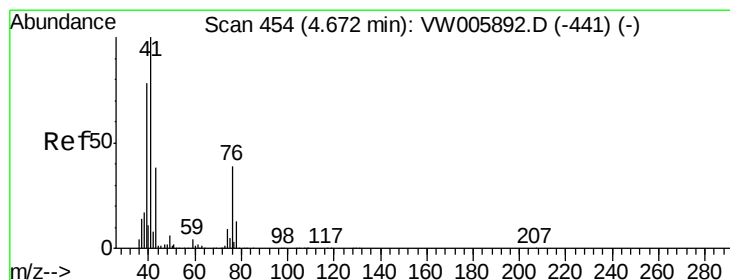
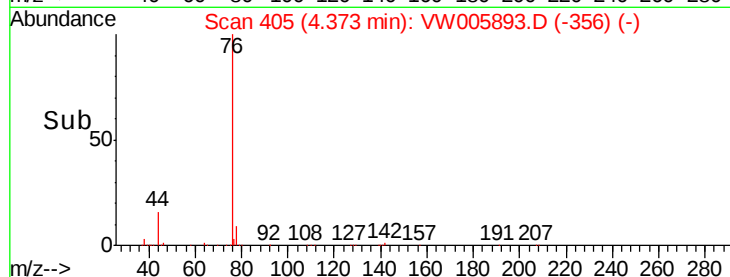
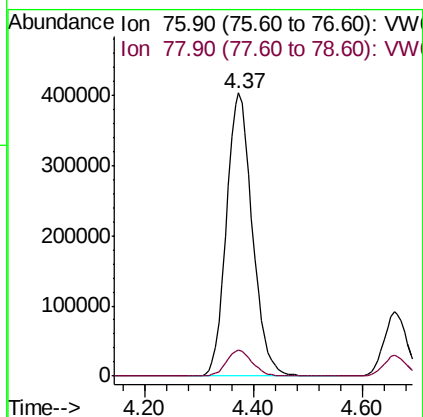
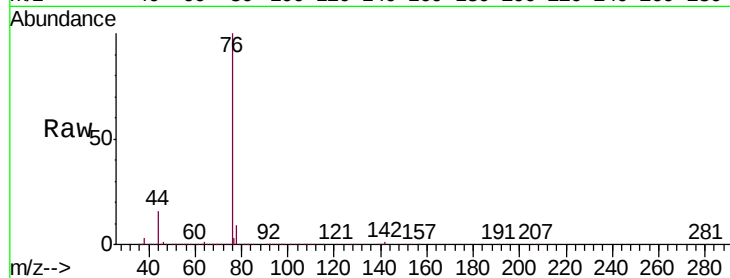




#17
Carbon Disulfide
Concen: 148.743 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

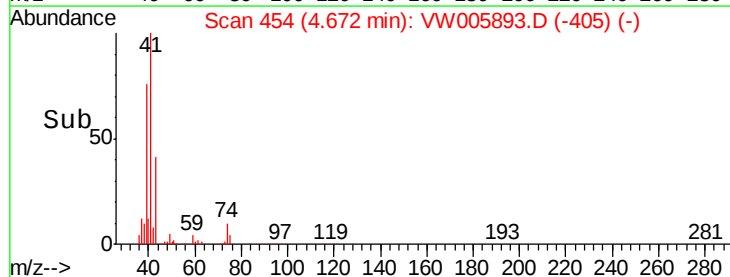
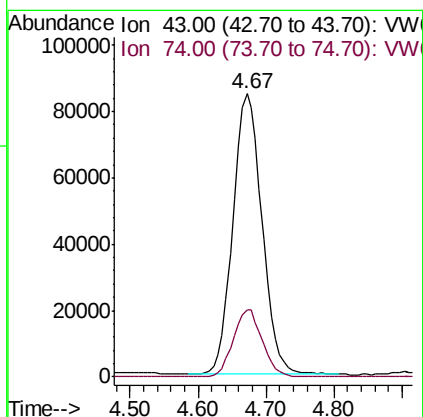
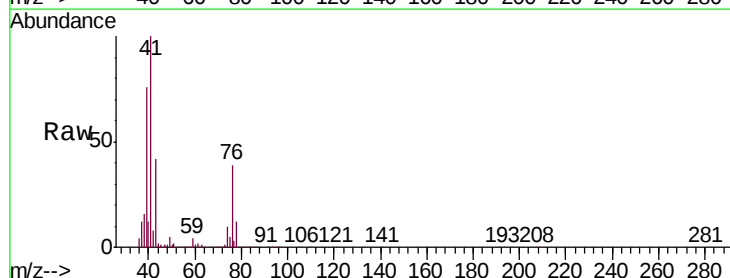
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

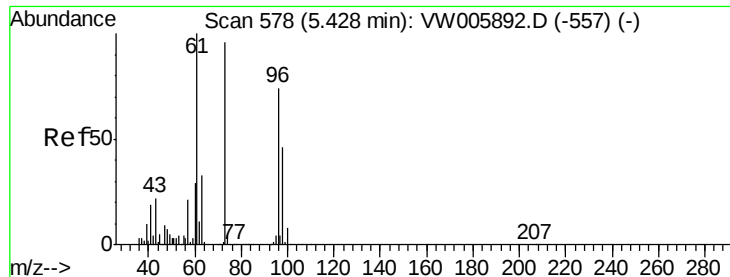
Tgt Ion: 76 Resp: 1335699
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 152.445 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 43 Resp: 251693
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8

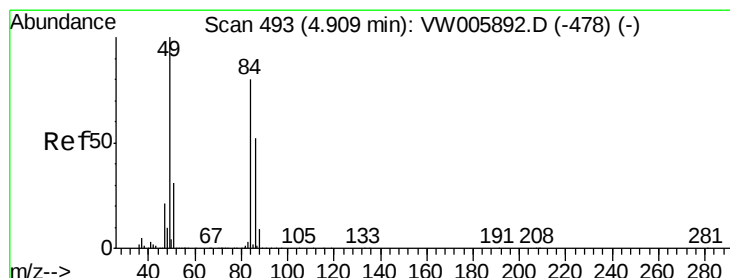
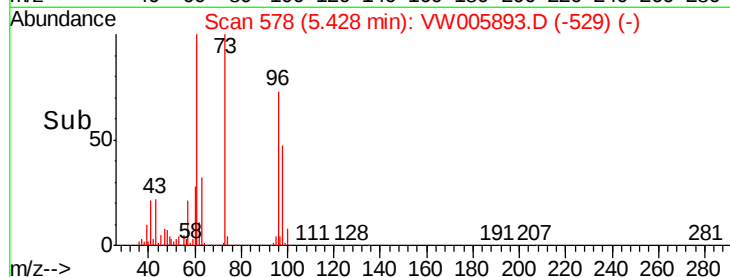
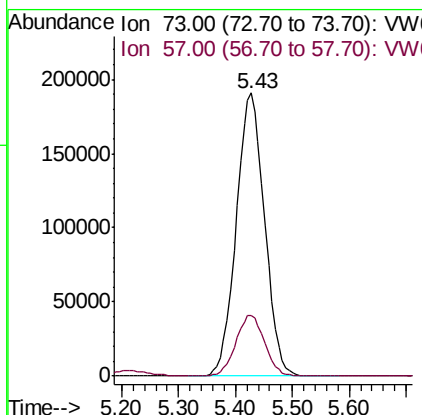
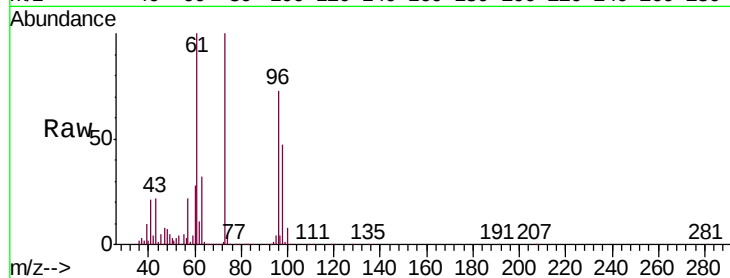




#19
Methyl tert-butyl Ether
Concen: 142.656 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

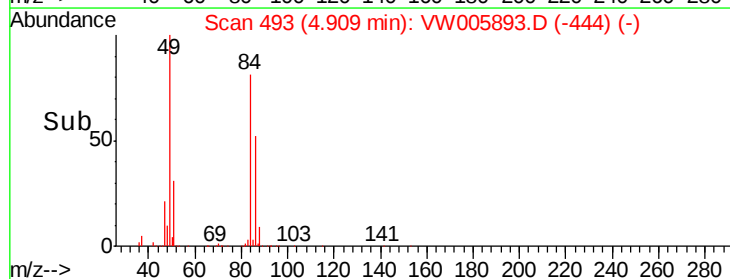
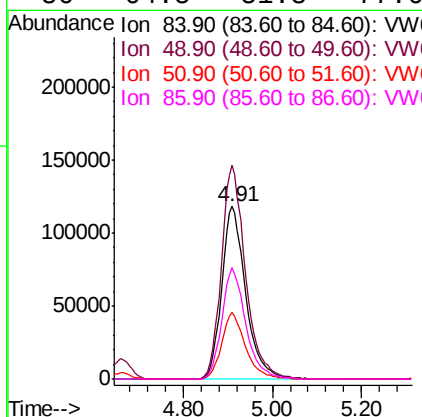
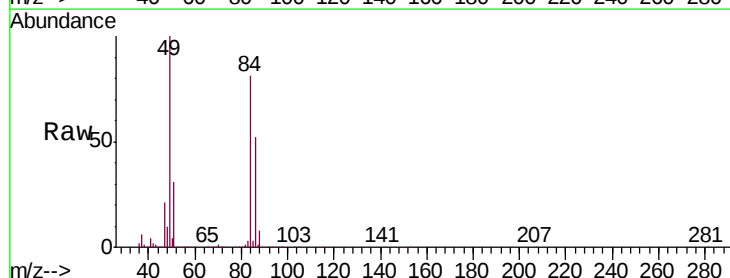
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

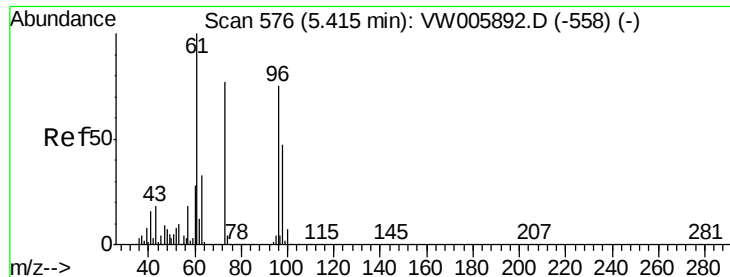
Tgt Ion: 73 Resp: 659220
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5



#20
Methylene Chloride
Concen: 134.731 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 84 Resp: 441643
Ion Ratio Lower Upper
84 100
49 124.0 99.9 149.9
51 38.6 31.1 46.7
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 149.559 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

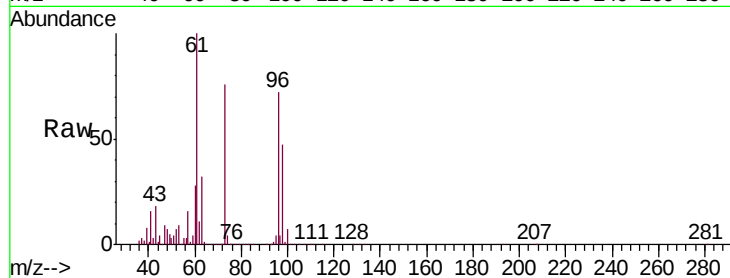
Tgt Ion: 96 Resp: 484179

Ion Ratio Lower Upper

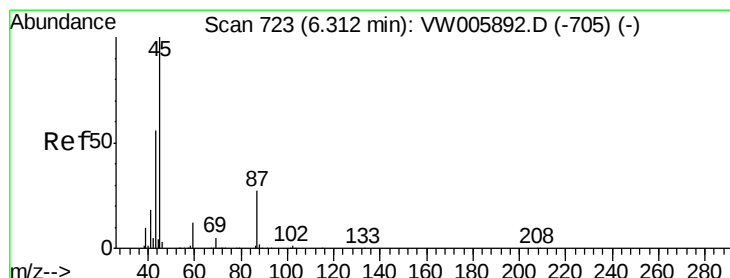
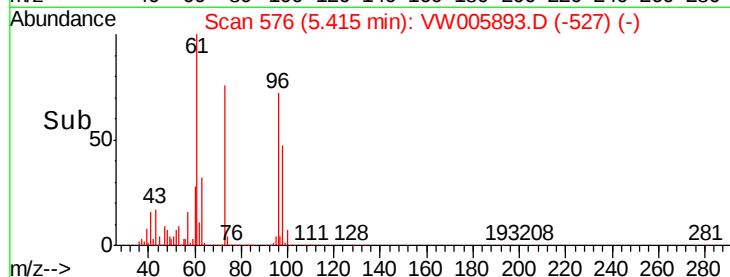
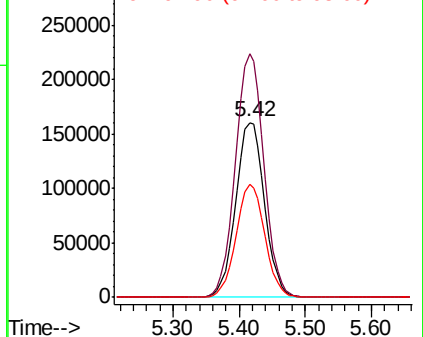
96 100

61 139.3 107.4 161.0

98 64.9 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 146.456 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion: 45 Resp: 1386788

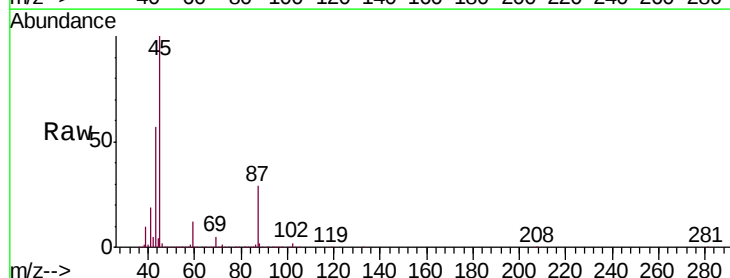
Ion Ratio Lower Upper

45 100

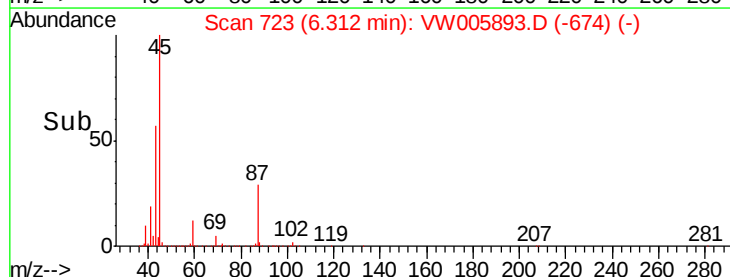
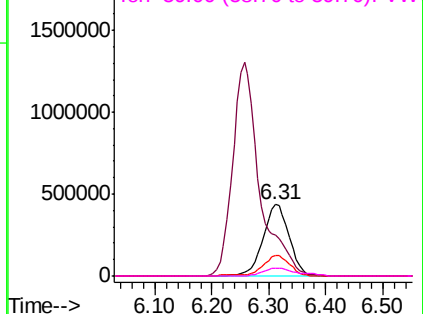
43 56.8 45.9 68.9

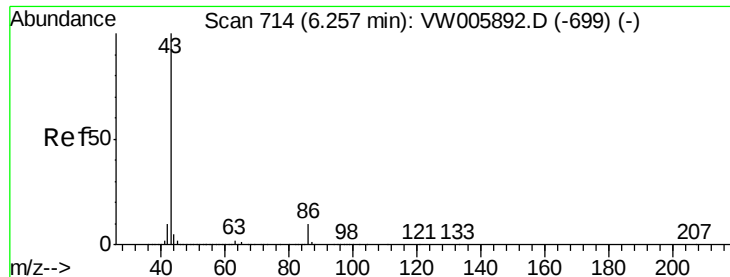
87 28.7 22.2 33.4

59 11.6 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 741.185 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

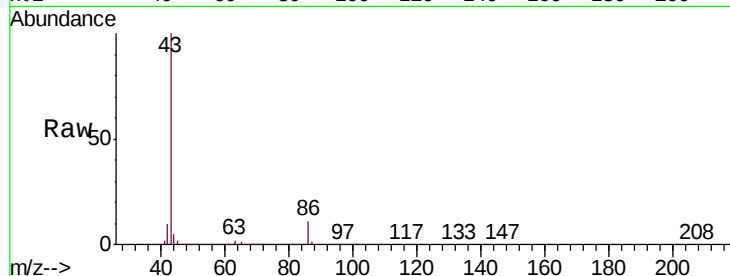
VSTDIC150

Tgt Ion: 43 Resp: 4319634

Ion Ratio Lower Upper

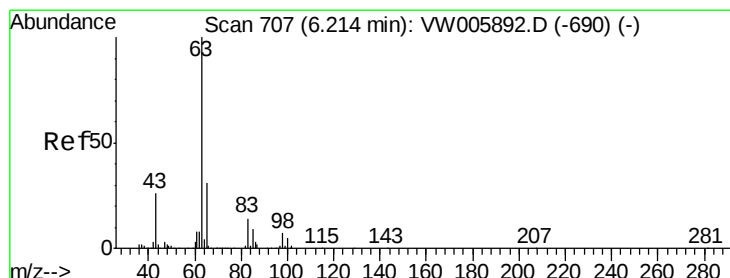
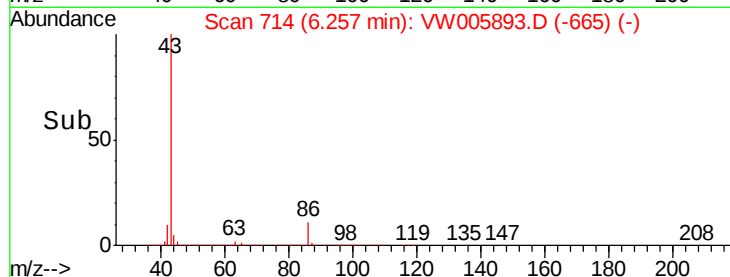
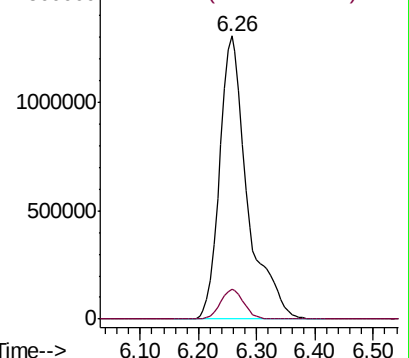
43 100

86 10.6 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 147.221 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

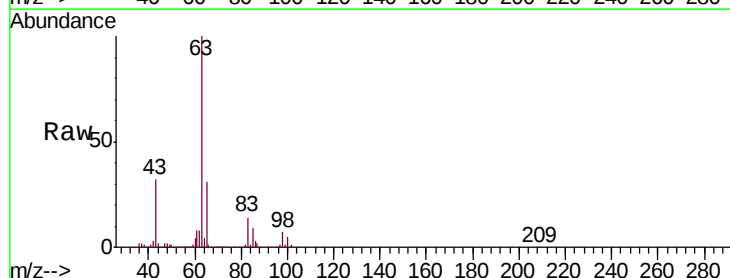
Tgt Ion: 63 Resp: 853088

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

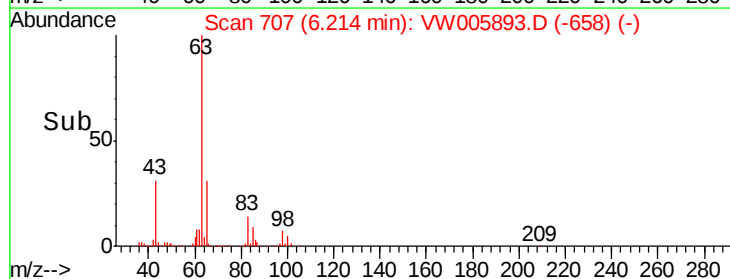
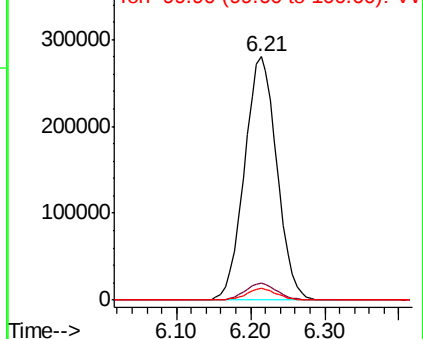
100 4.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 689.297 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampled :

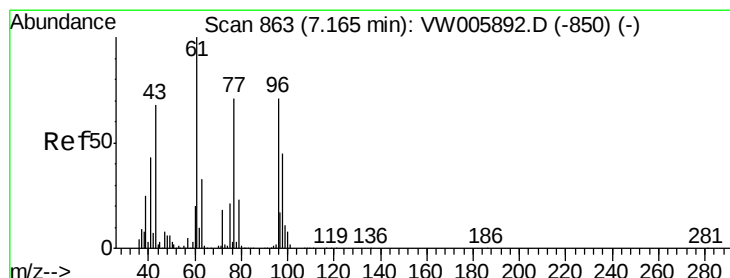
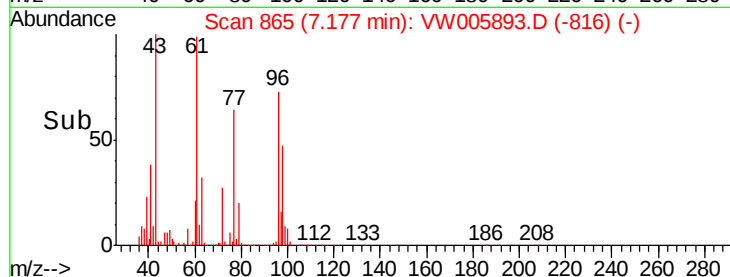
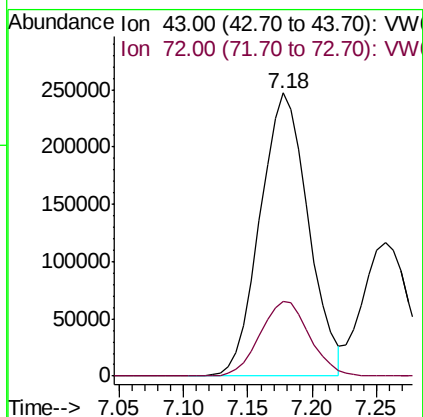
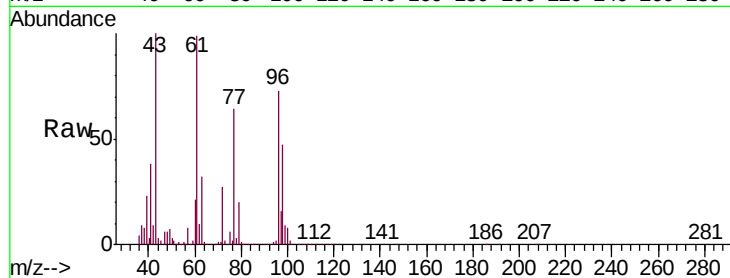
VSTDICC150

Tgt Ion: 43 Resp: 641444

Ion Ratio Lower Upper

43 100

72 26.7 21.0 31.4



#26

2,2-Dichloropropane

Concen: 131.237 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW005893.D

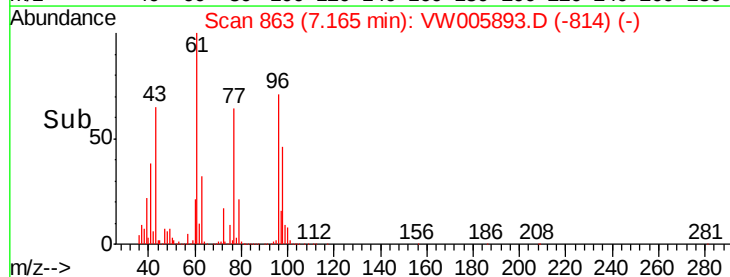
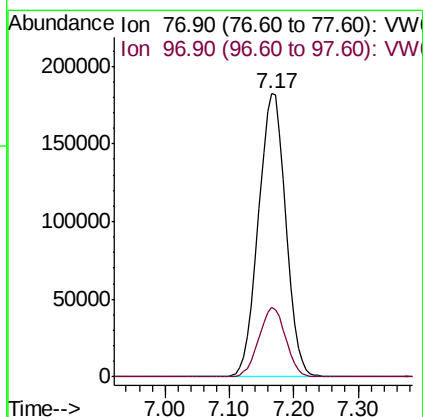
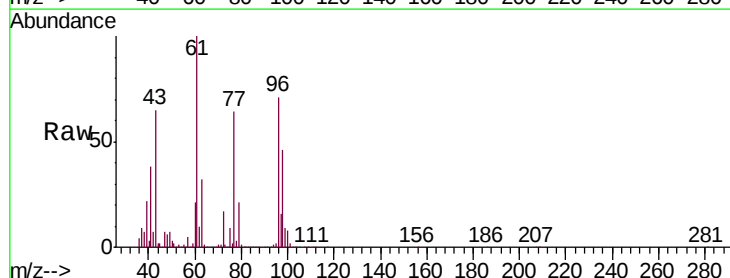
Acq: 08 Oct 2018 13:32

Tgt Ion: 77 Resp: 535200

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.7



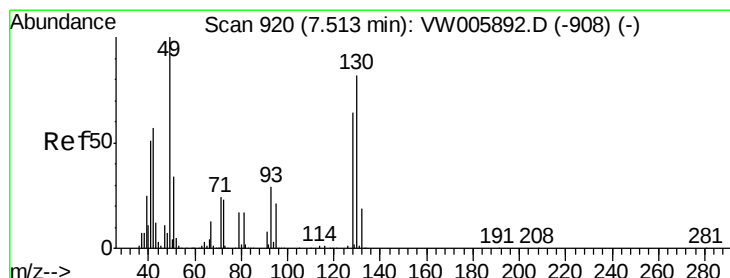
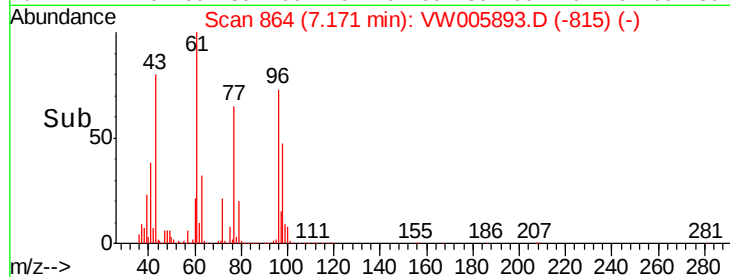
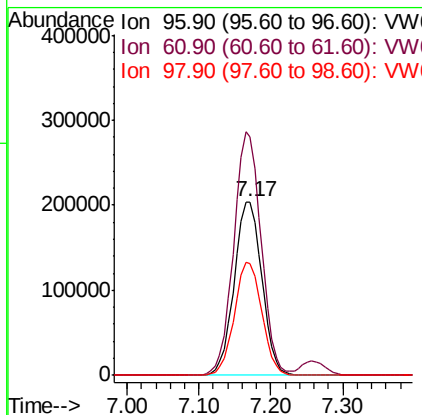
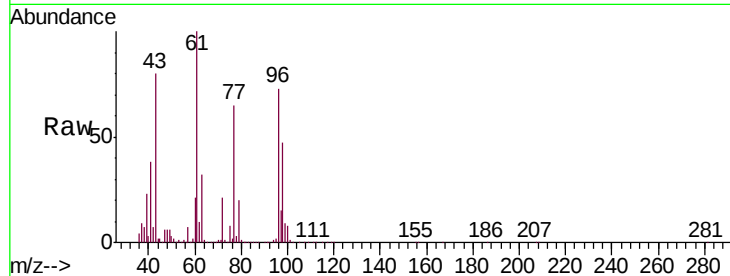


#27

cis-1,2-Dichloroethene
 Concen: 148.568 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

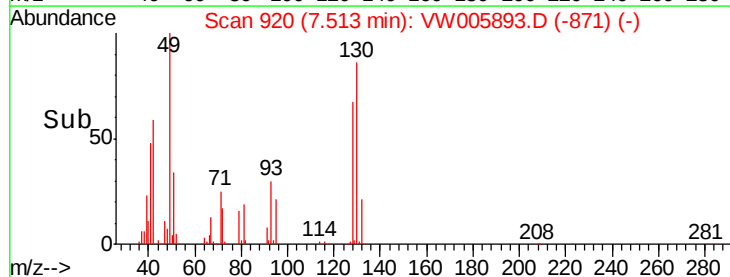
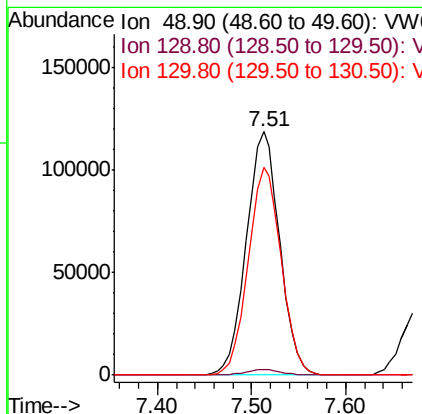
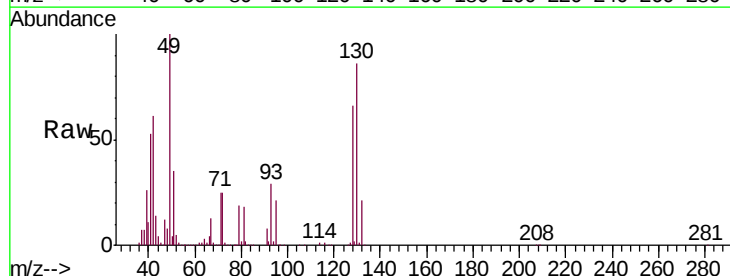
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	284.0
98	64.8	0.0	129.8

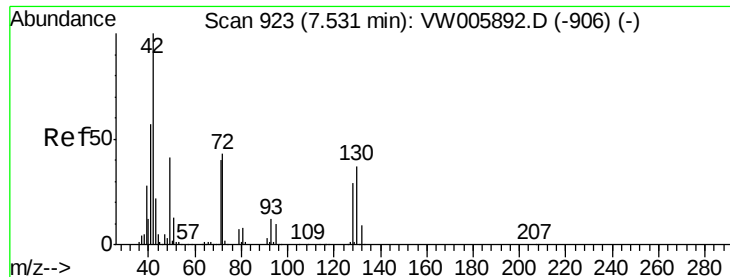


#28

Bromochloromethane
 Concen: 137.740 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	84.7	66.9	100.3





#29

Tetrahydrofuran

Concen: 723.767 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

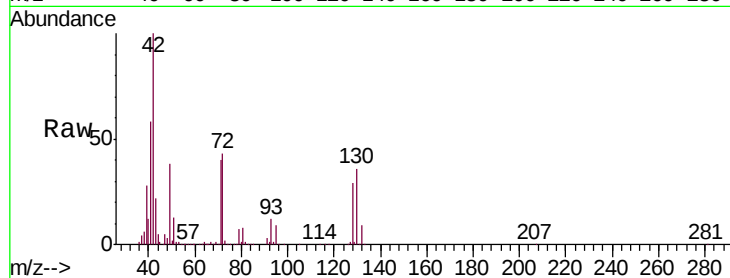
Tgt Ion: 42 Resp: 425763

Ion Ratio Lower Upper

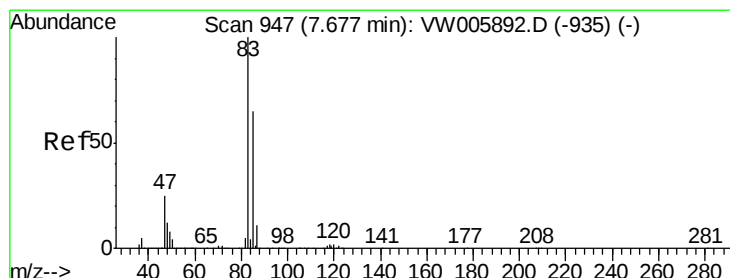
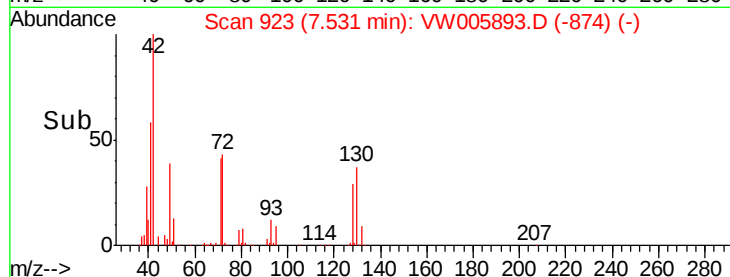
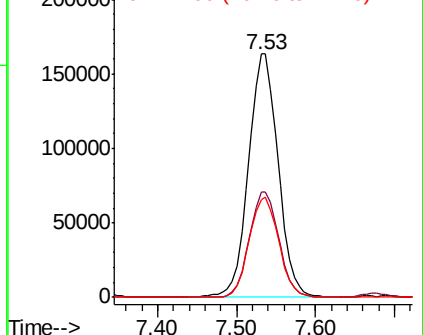
42 100

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: 148.640 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005893.D

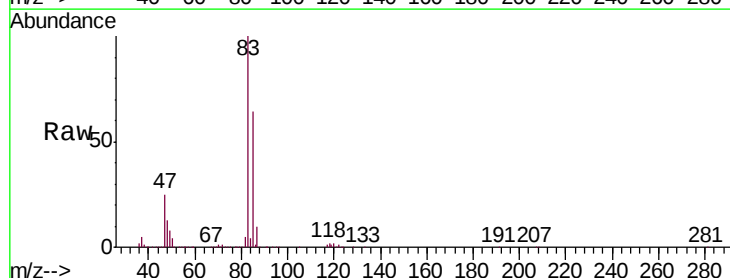
Acq: 08 Oct 2018 13:32

Tgt Ion: 83 Resp: 884700

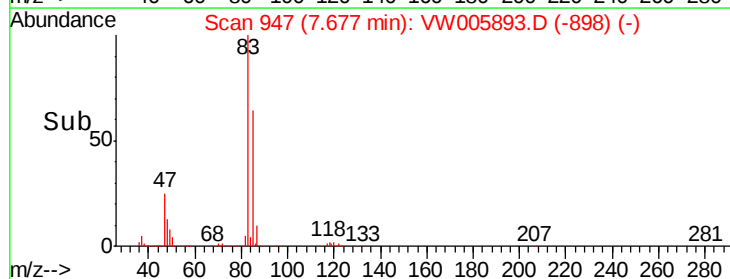
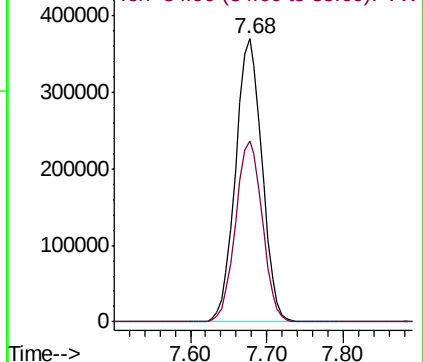
Ion Ratio Lower Upper

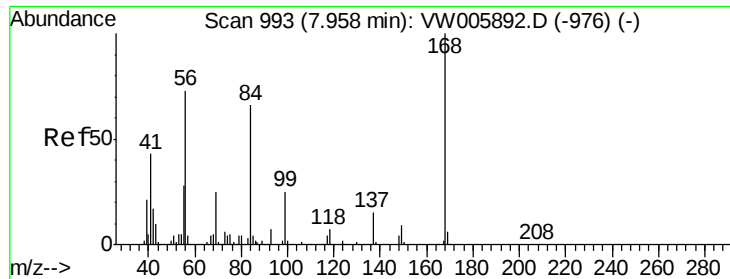
83 100

85 64.0 51.6 77.4



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

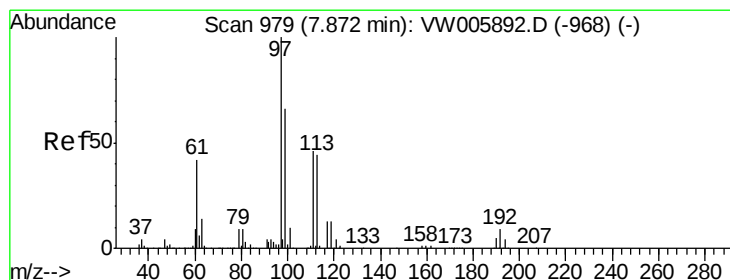
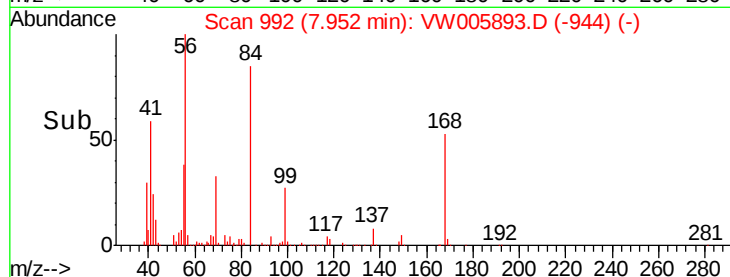
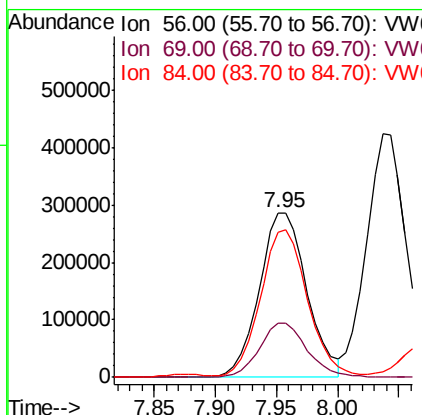
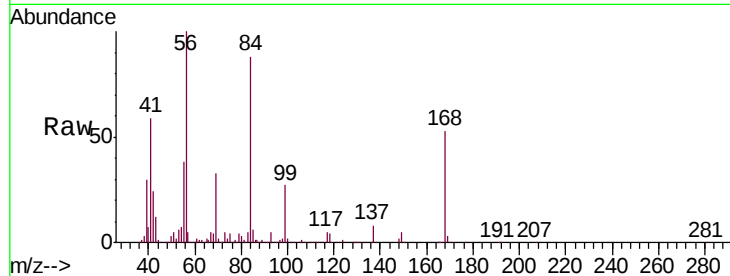




#31
Cyclohexane
Concen: 134.973 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

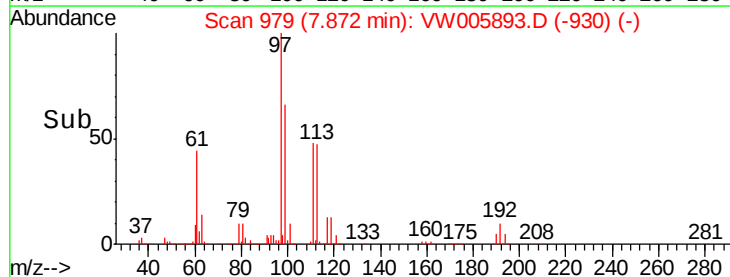
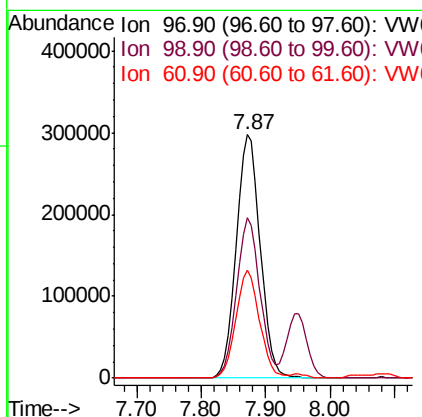
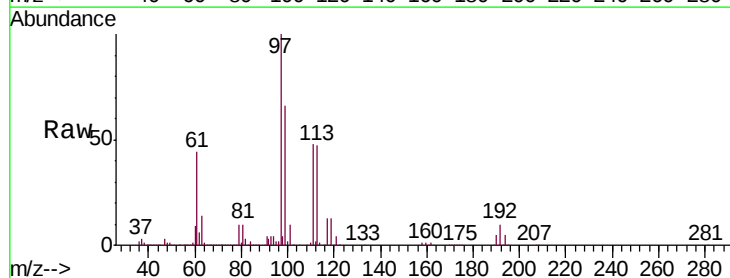
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

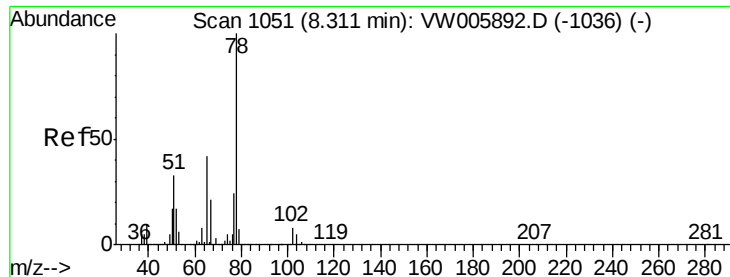
Tgt Ion: 56 Resp: 773992
Ion Ratio Lower Upper
56 100
69 32.7 27.9 41.9
84 86.8 72.3 108.5



#32
1,1,1-Trichloroethane
Concen: 145.218 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 97 Resp: 769733
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 43.3 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 148.886 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

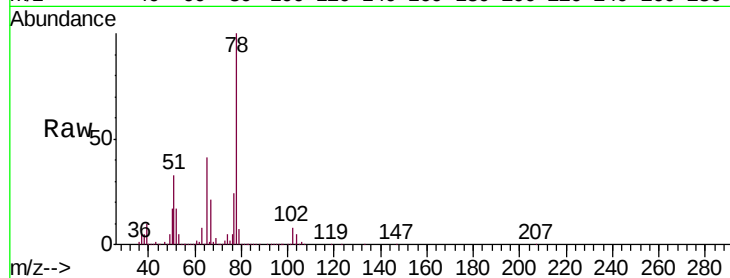
VSTDIC150

Tgt Ion: 65 Resp: 487681

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

250000

200000

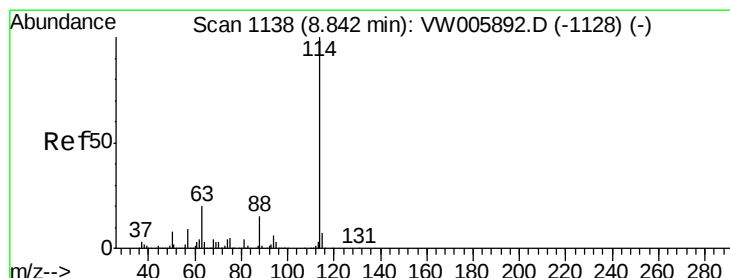
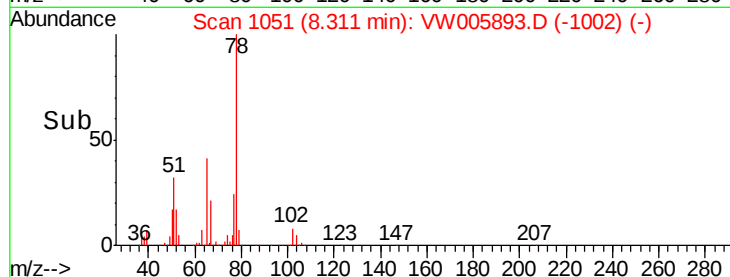
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion: 114 Resp: 504442

Ion Ratio Lower Upper

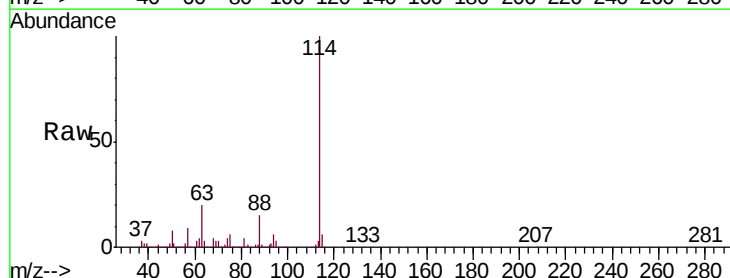
114 100

63 19.8

0.0 39.2

88 15.2

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

8.84

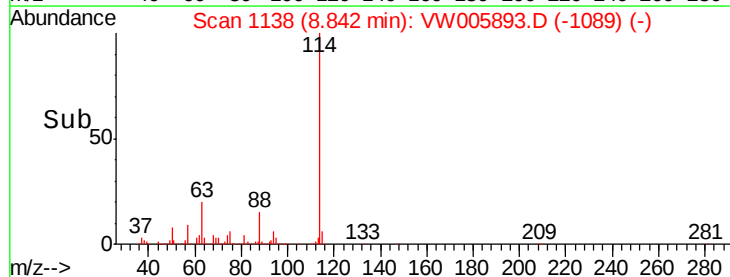
300000

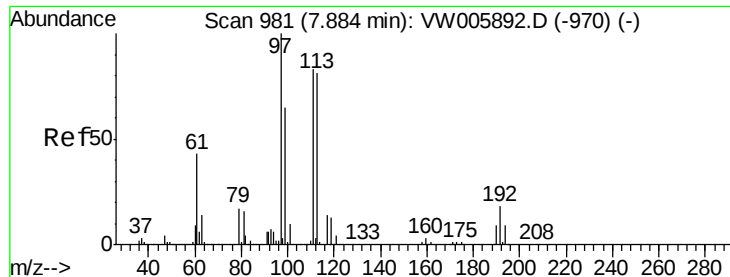
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 147.614 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

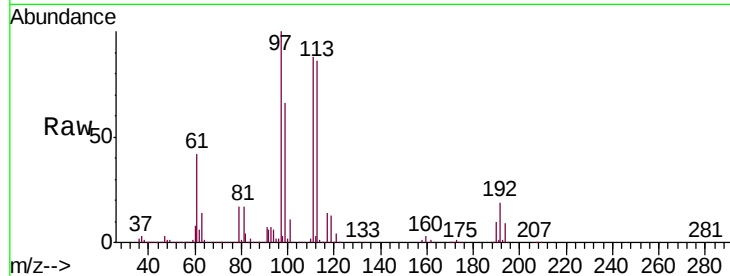
Tgt Ion:113 Resp: 475412

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

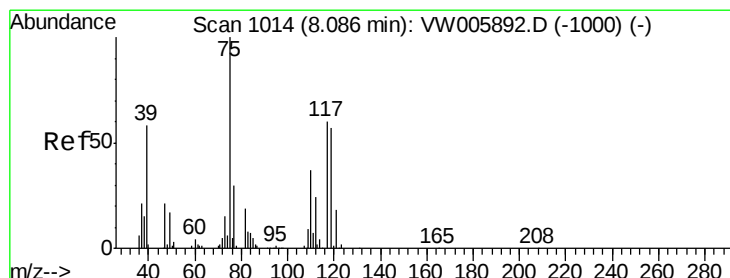
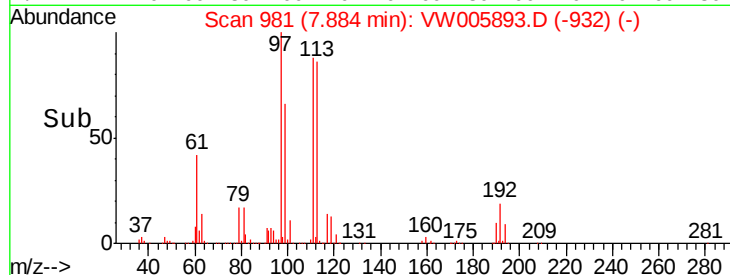
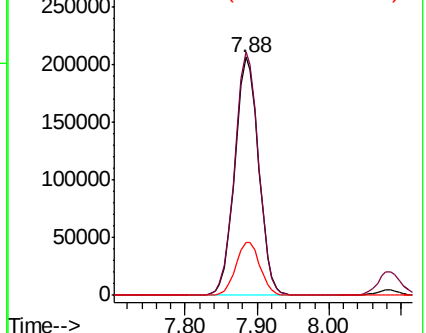
192 22.8 18.3 27.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 143.494 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

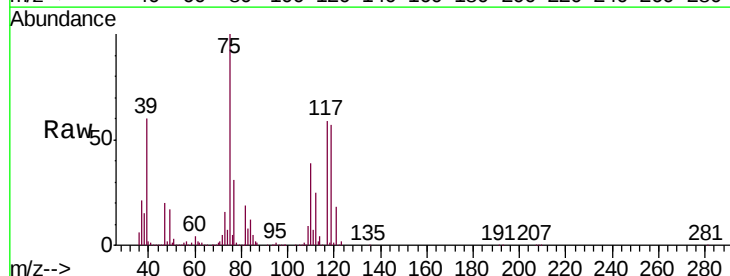
Tgt Ion: 75 Resp: 693580

Ion Ratio Lower Upper

75 100

110 37.2 18.6 56.0

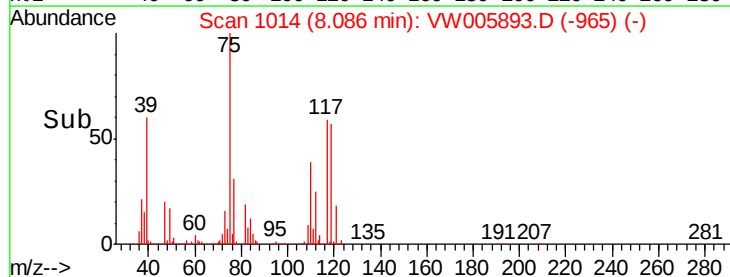
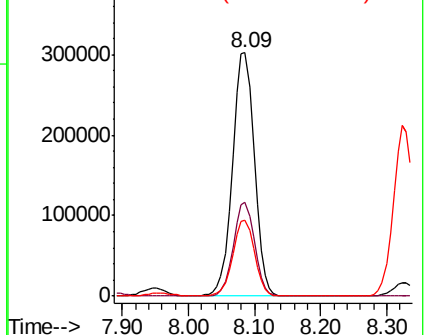
77 30.9 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

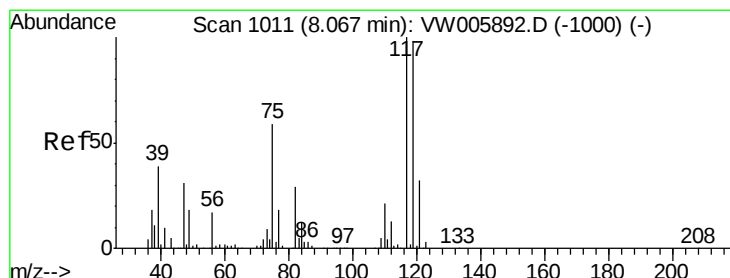
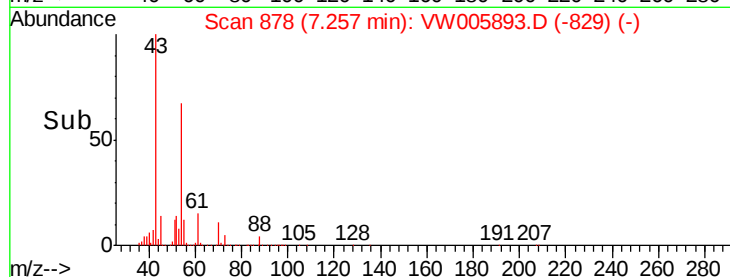
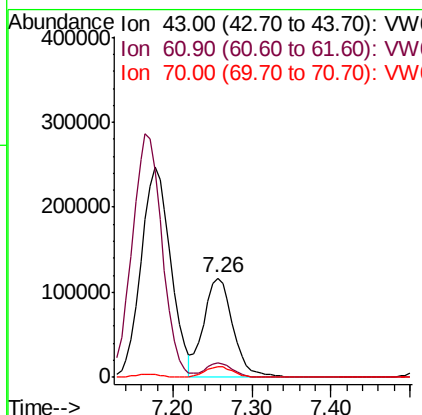
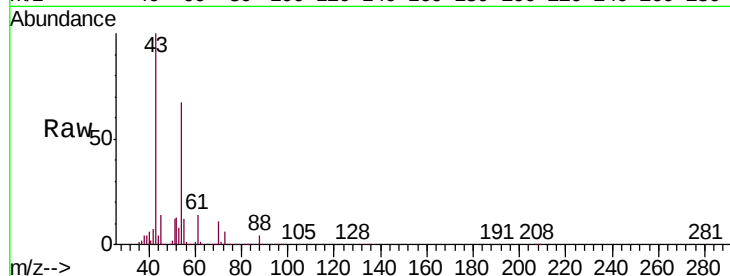




#37
Ethyl Acetate
Concen: 146.192 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

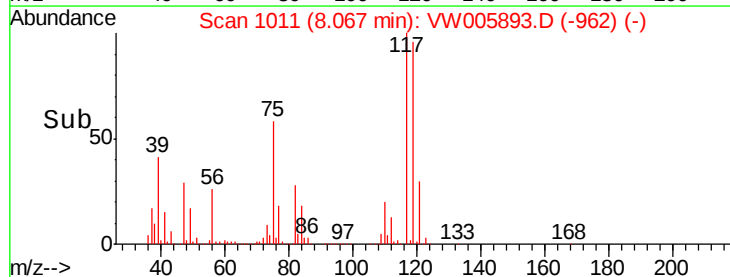
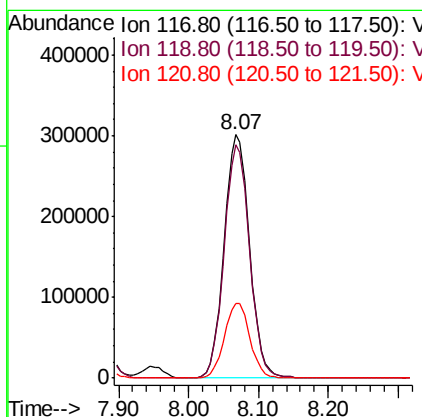
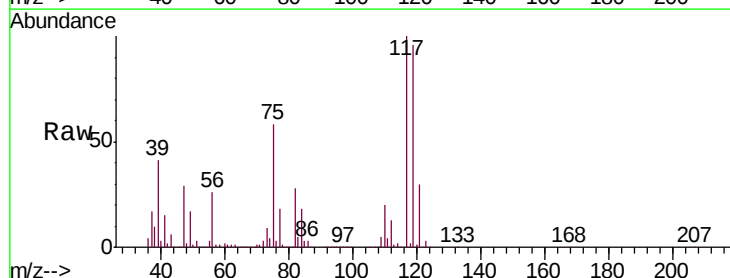
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

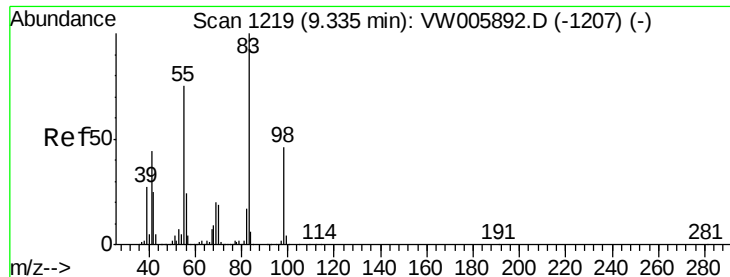
Tgt Ion: 43 Resp: 299238
Ion Ratio Lower Upper
43 100
61 13.7 10.6 16.0
70 10.6 8.6 13.0



#38
Carbon Tetrachloride
Concen: 146.331 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 117 Resp: 759907
Ion Ratio Lower Upper
117 100
119 96.1 78.6 117.8
121 30.4 25.3 37.9

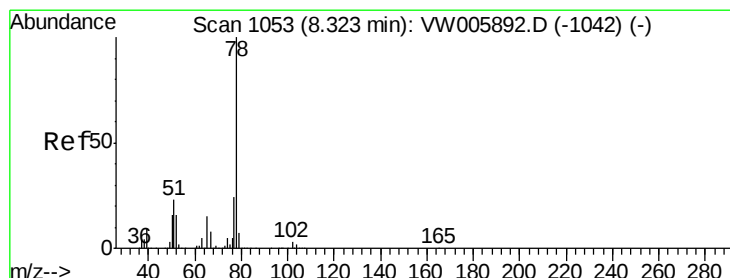
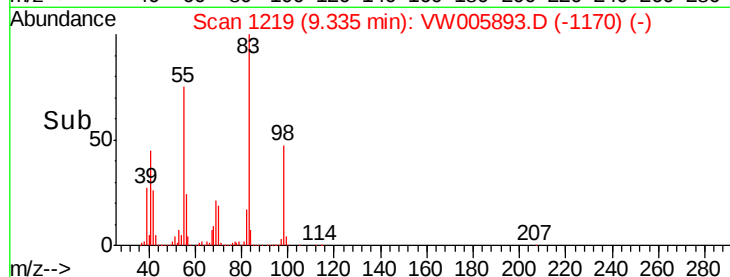
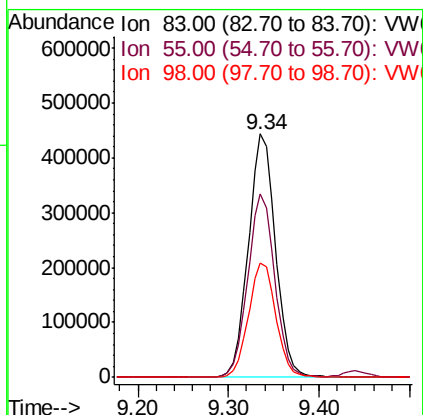
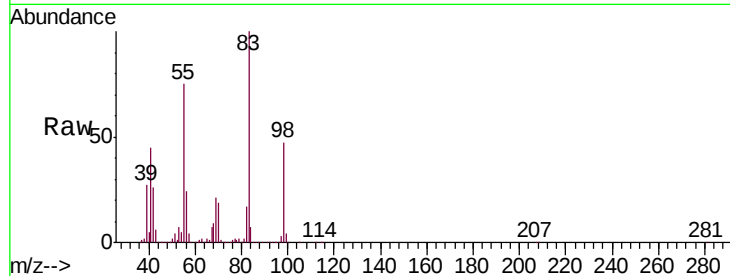




#39
Methylcyclohexane
Concen: 143.962 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

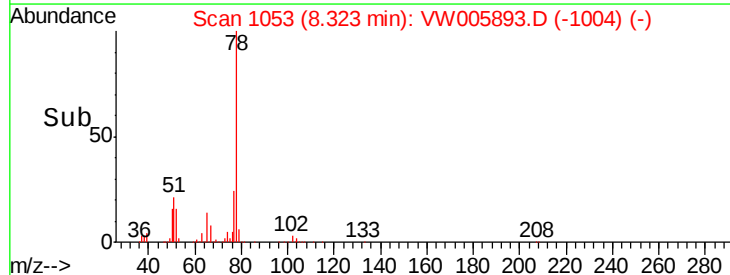
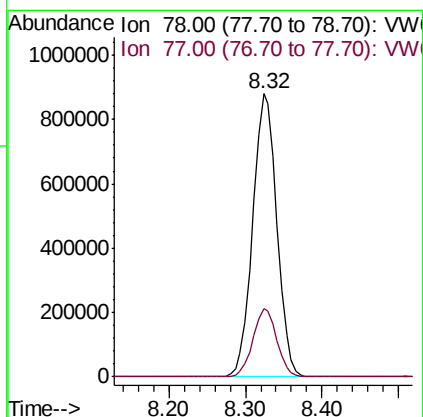
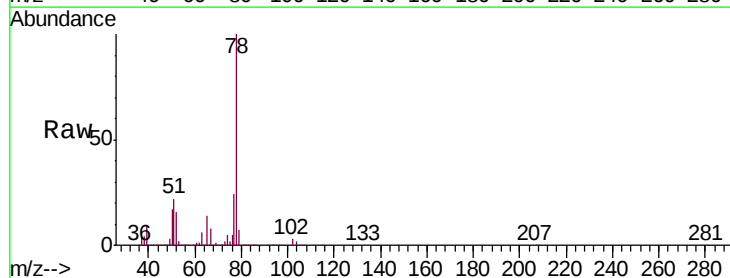
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

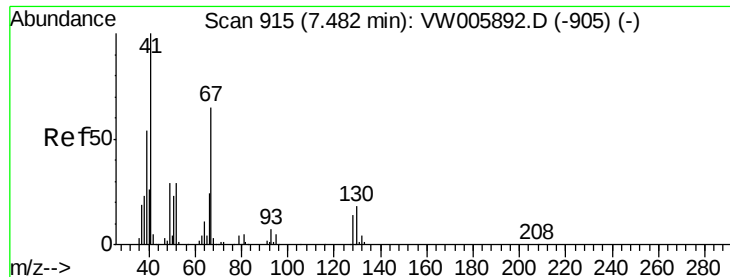
Tgt Ion: 83 Resp: 917799
Ion Ratio Lower Upper
83 100
55 75.0 59.8 89.6
98 46.9 37.1 55.7



#40
Benzene
Concen: 145.913 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 78 Resp: 1930296
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

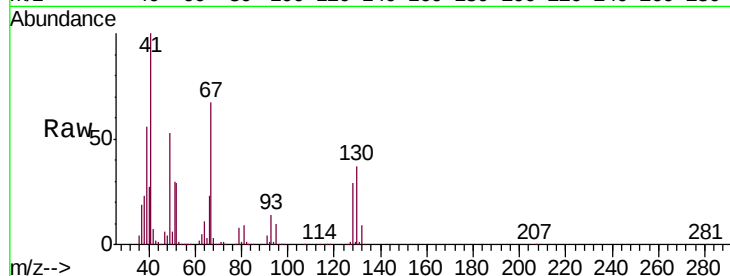




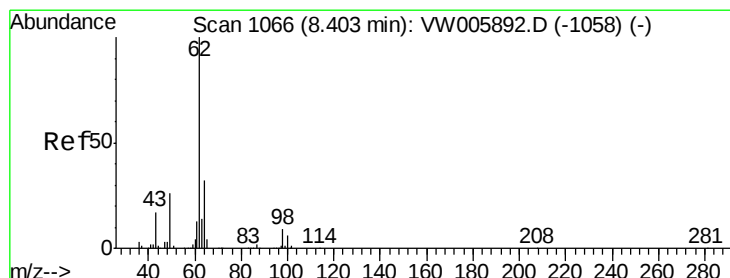
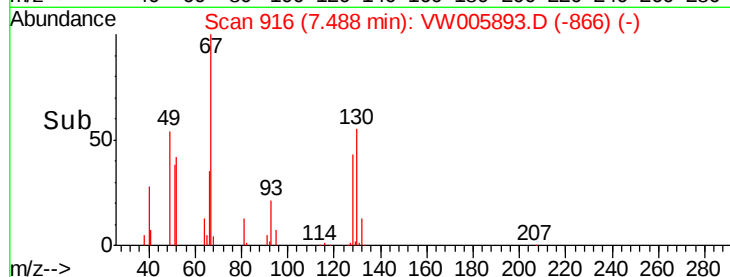
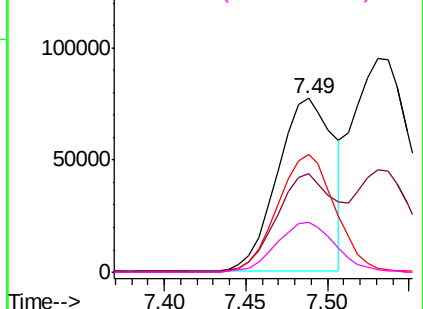
#41
Methacrylonitrile
Concen: 144.791 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	185547
Ion	Ratio	Lower	Upper
41	100		
39	61.9	45.0	67.4
67	69.2	55.8	83.8
52	30.0	25.3	37.9

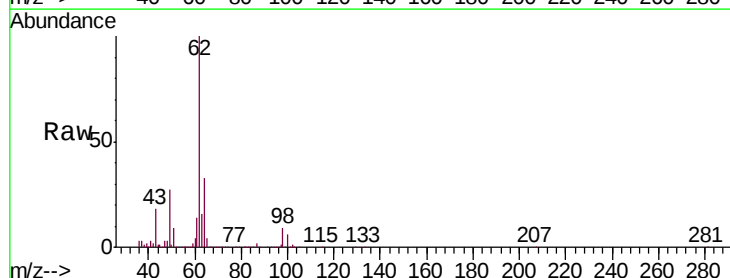


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

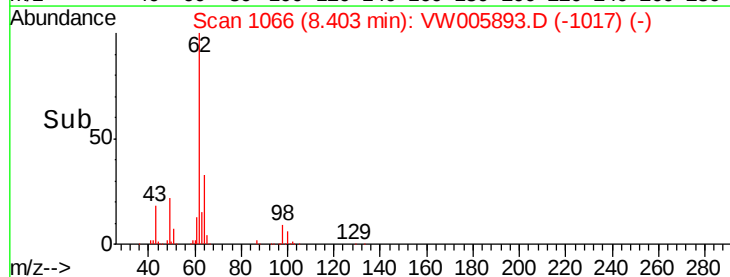
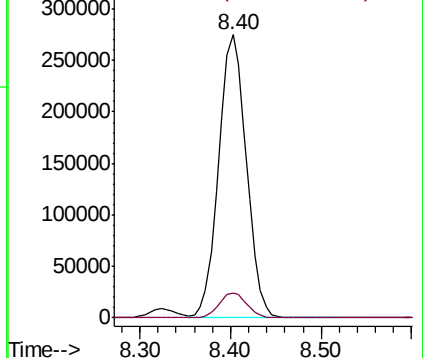


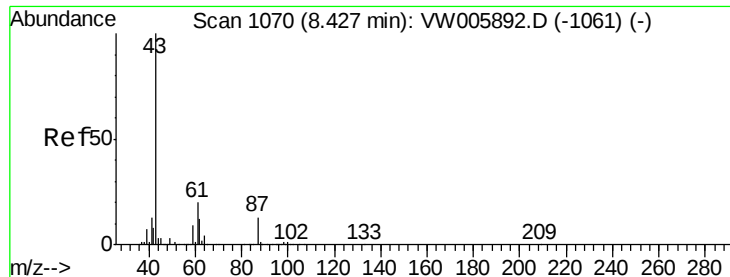
#42
1,2-Dichloroethane
Concen: 146.612 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion:	62	Resp:	585969
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: 148.496 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

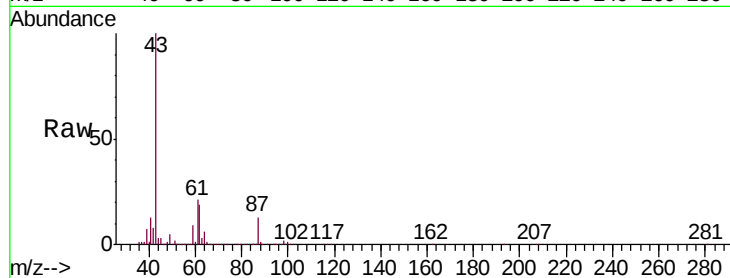
Tgt Ion: 43 Resp: 634933

Ion Ratio Lower Upper

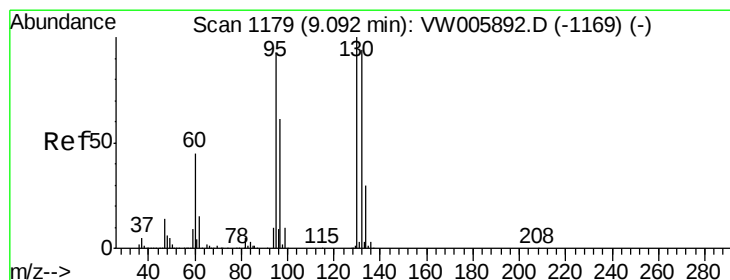
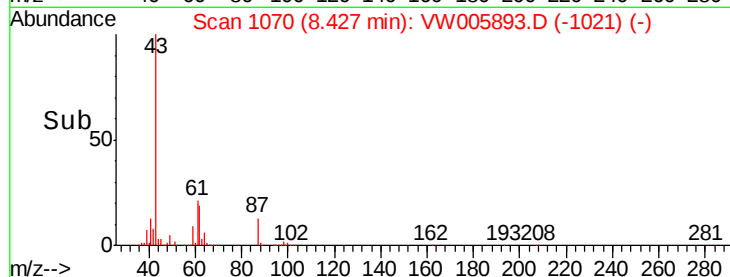
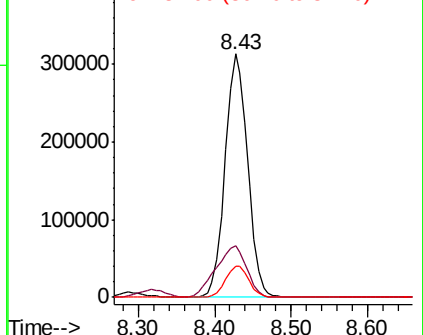
43 100

61 28.9 23.1 34.7

87 13.3 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: 148.014 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW005893.D

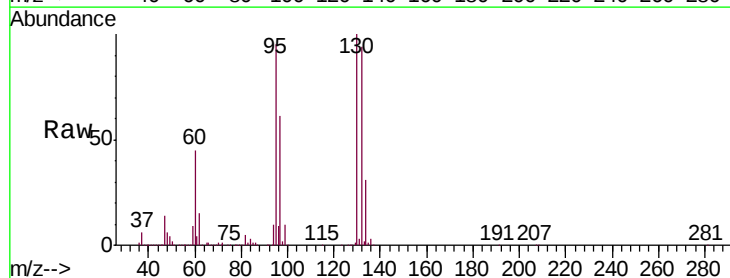
Acq: 08 Oct 2018 13:32

Tgt Ion: 130 Resp: 568129

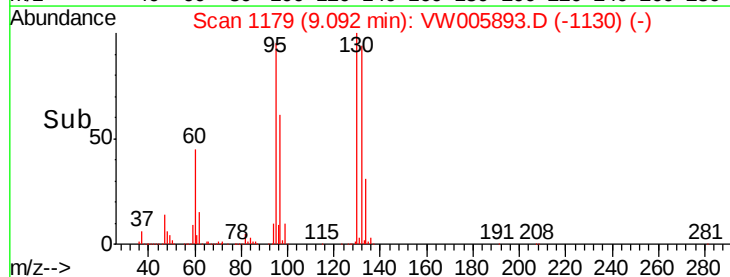
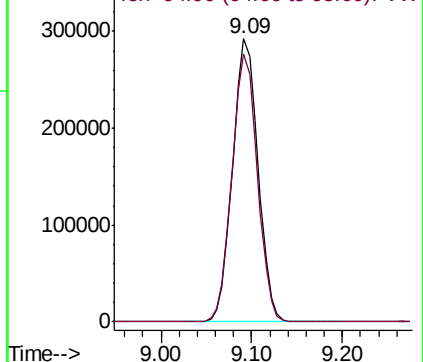
Ion Ratio Lower Upper

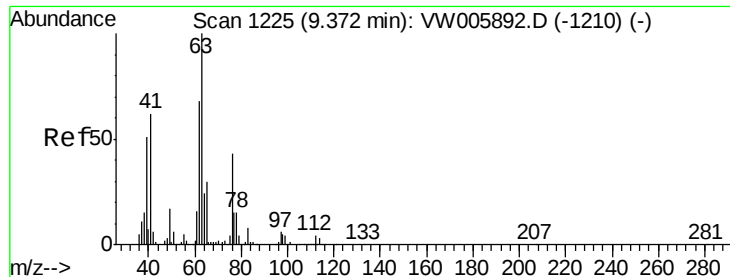
130 100

95 94.8 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: 145.892 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampled :

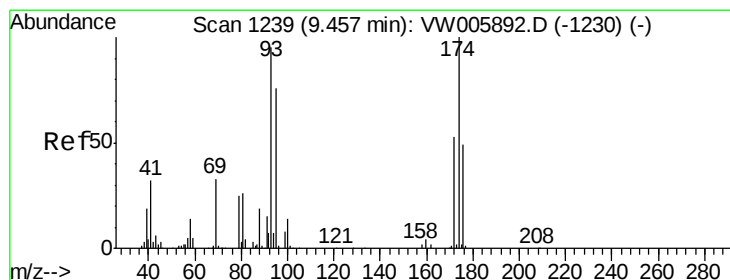
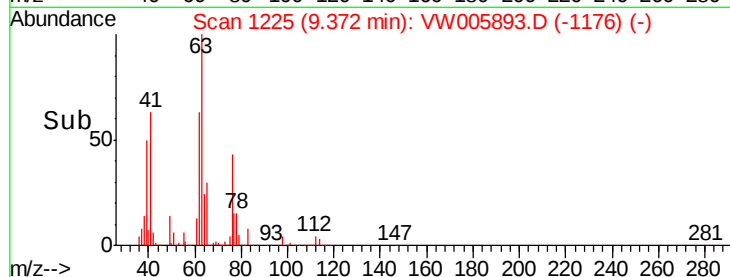
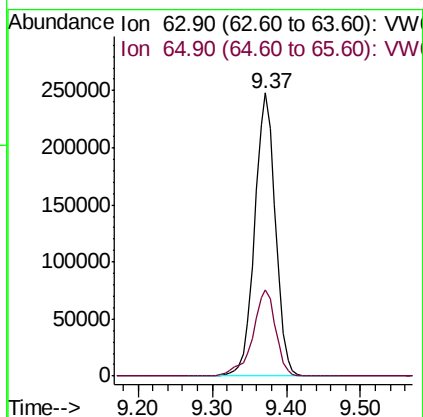
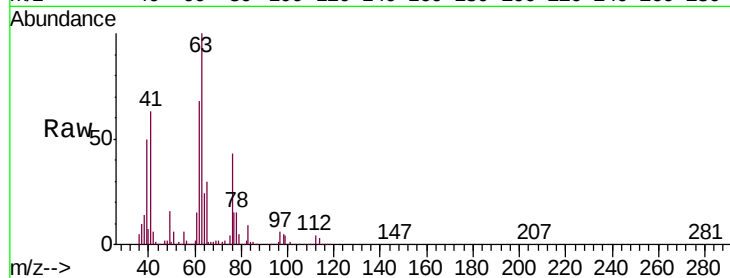
VSTDIC150

Tgt Ion: 63 Resp: 483107

Ion Ratio Lower Upper

63 100

65 30.3 24.3 36.5



#46

Dibromomethane

Concen: 148.223 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

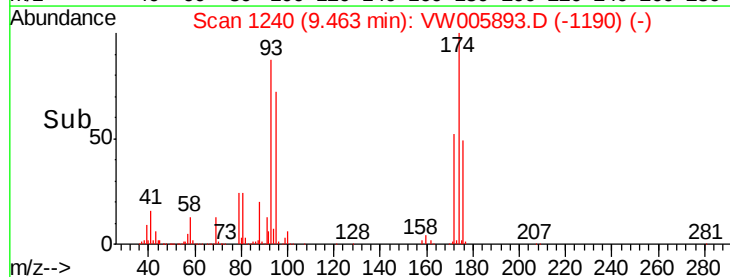
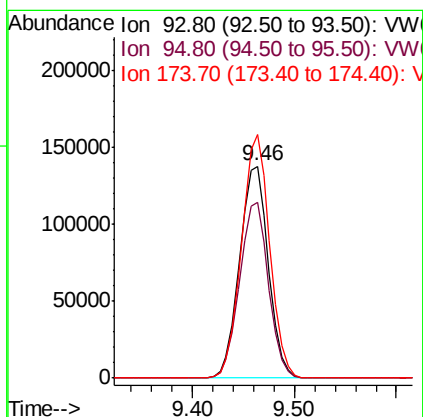
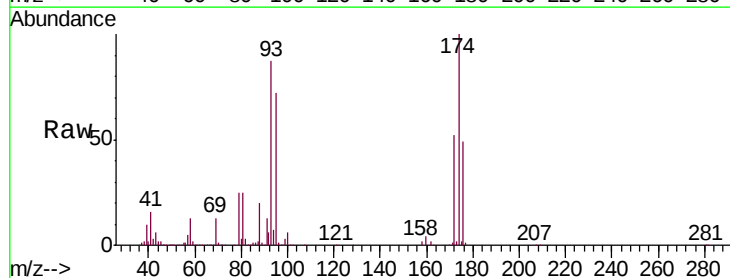
Tgt Ion: 93 Resp: 269761

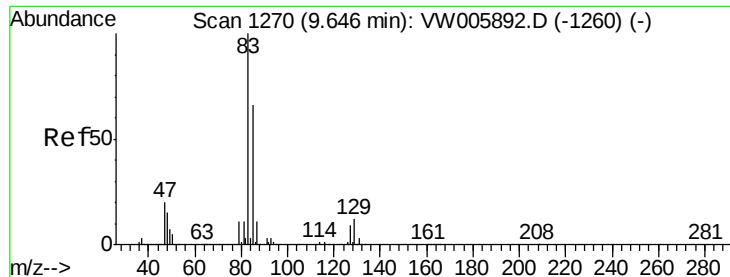
Ion Ratio Lower Upper

93 100

95 82.9 66.6 99.8

174 112.8 90.4 135.6





#47

Bromodichloromethane

Concen: 148.627 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

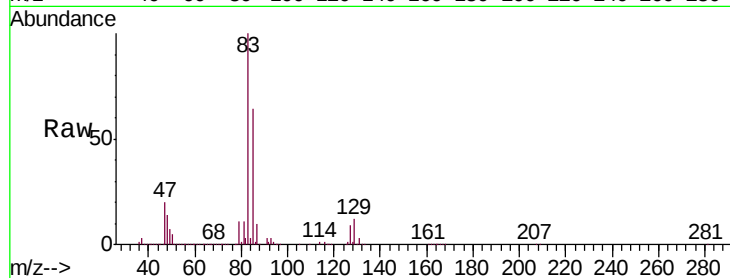
Tgt Ion: 83 Resp: 680686

Ion Ratio Lower Upper

83 100

85 64.3 53.0 79.6

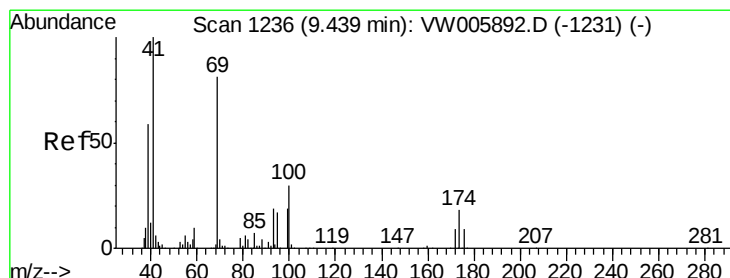
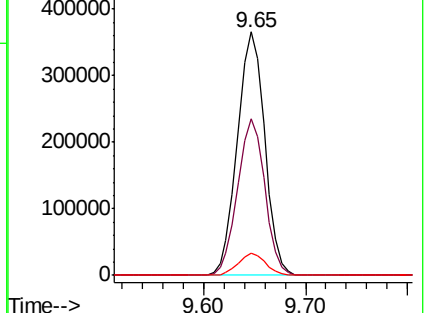
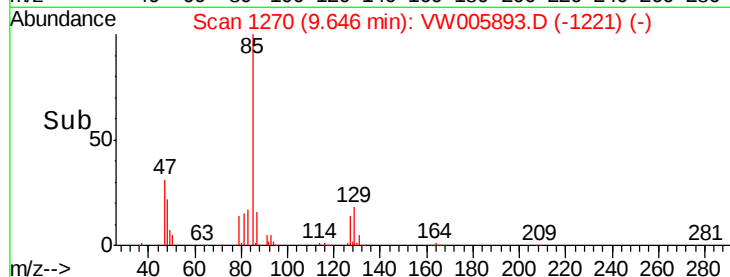
127 9.0 7.4 11.0



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): V



#48

Methyl methacrylate

Concen: 148.833 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

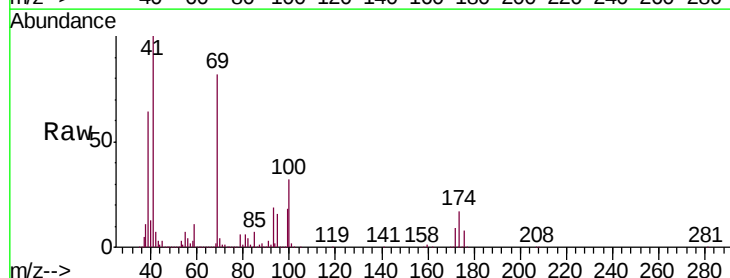
Tgt Ion: 41 Resp: 303148

Ion Ratio Lower Upper

41 100

69 86.2 68.7 103.1

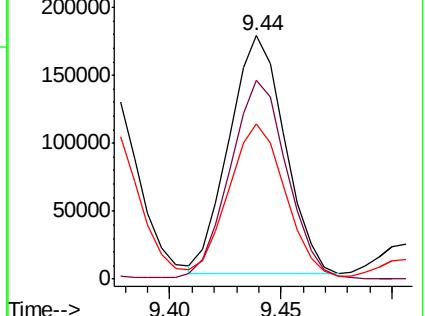
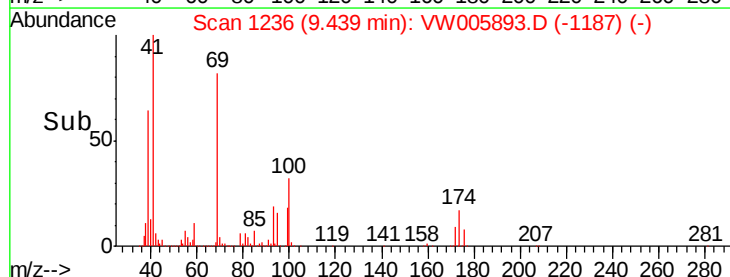
39 64.1 50.0 75.0

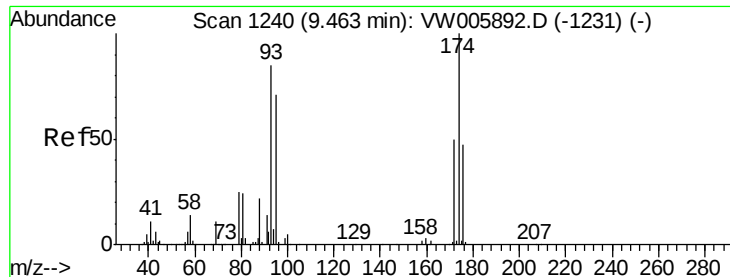


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

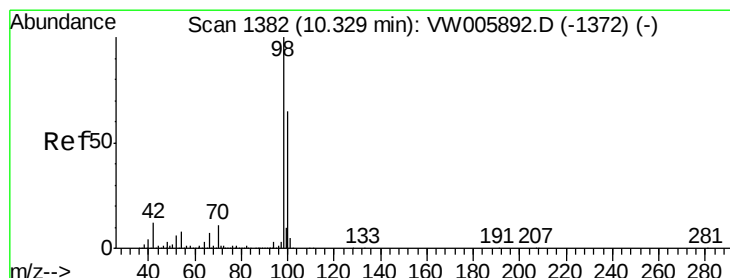
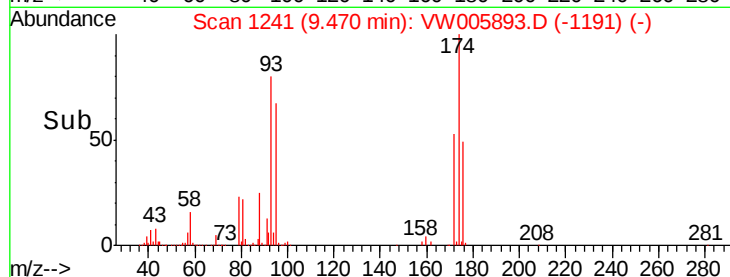
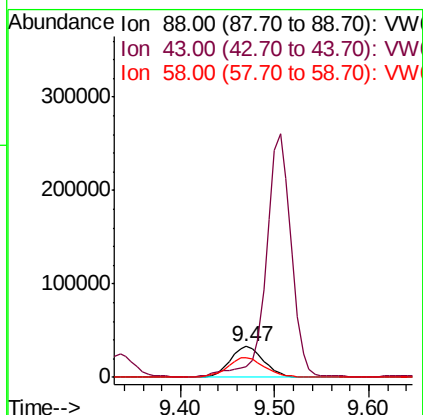
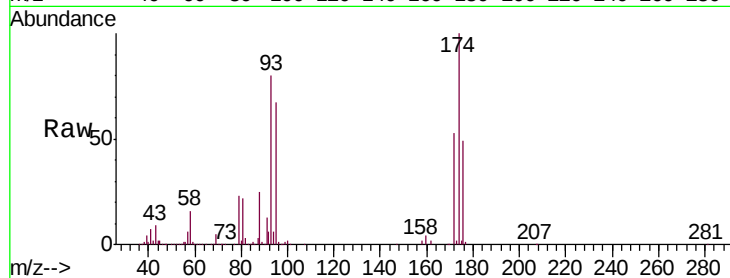




#49
1,4-Dioxane
Concen: 2976.669 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

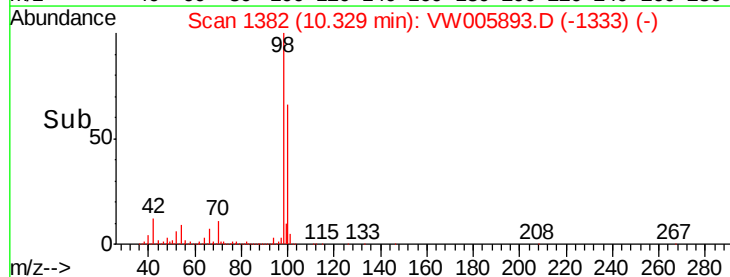
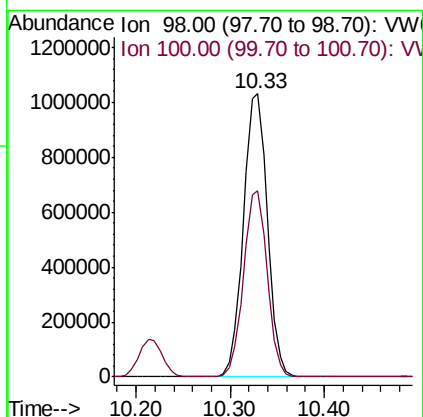
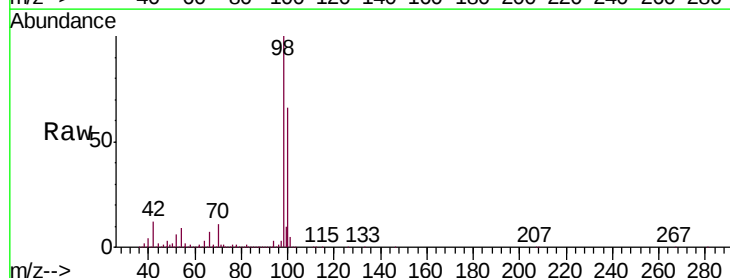
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

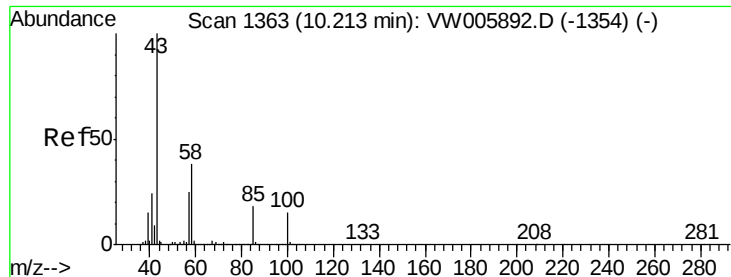
Tgt Ion: 88 Resp: 82289
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.0 57.7 86.5



#50
Toluene-d8
Concen: 148.183 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 98 Resp: 1836160
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

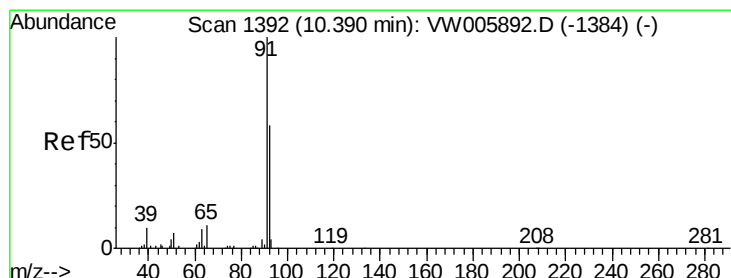
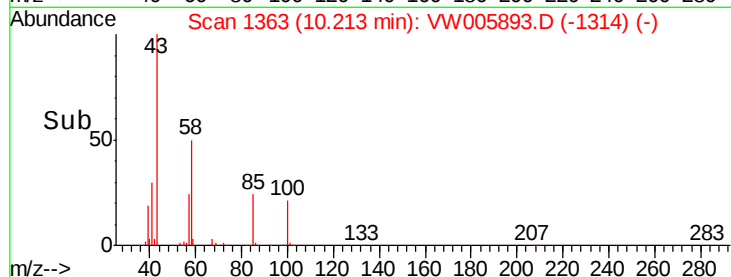
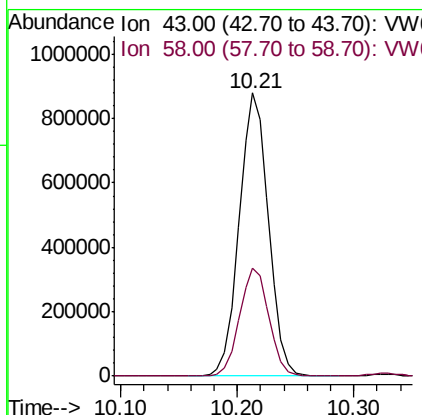
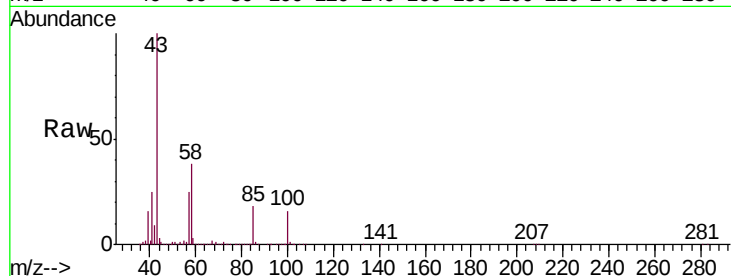




#51
4-Methyl-2-Pentanone
Concen: 734.712 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

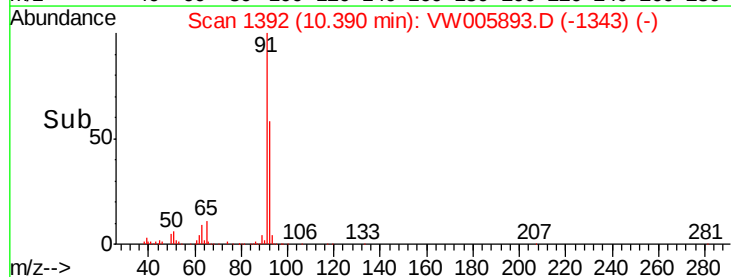
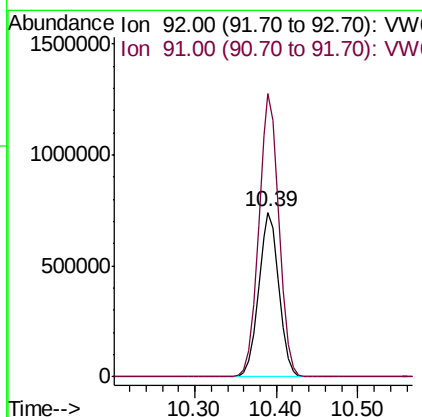
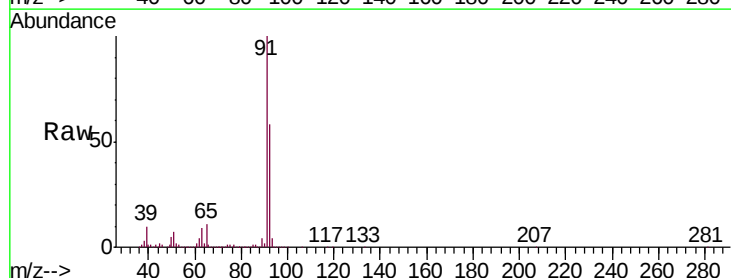
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

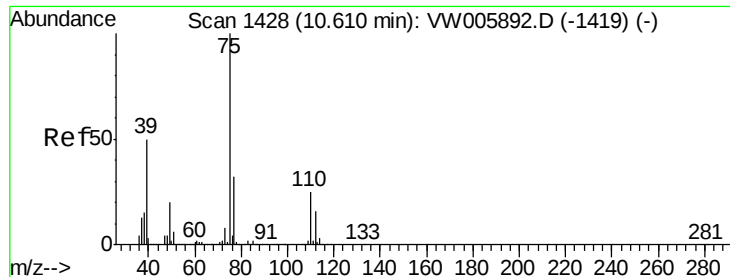
Tgt Ion: 43 Resp: 1529761
Ion Ratio Lower Upper
43 100
58 38.3 30.2 45.4



#52
Toluene
Concen: 147.998 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 92 Resp: 1286241
Ion Ratio Lower Upper
92 100
91 171.9 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 149.133 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

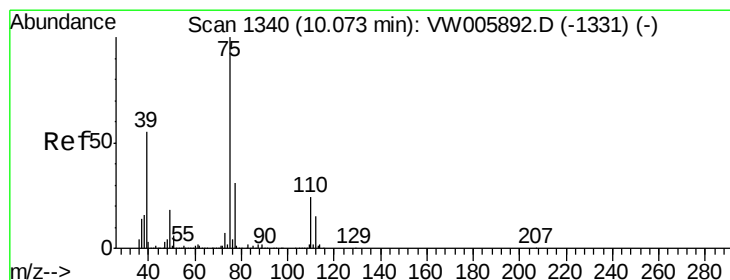
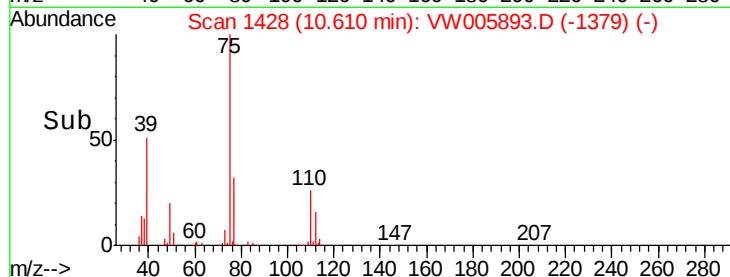
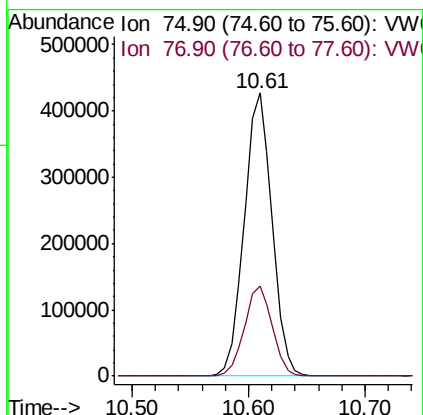
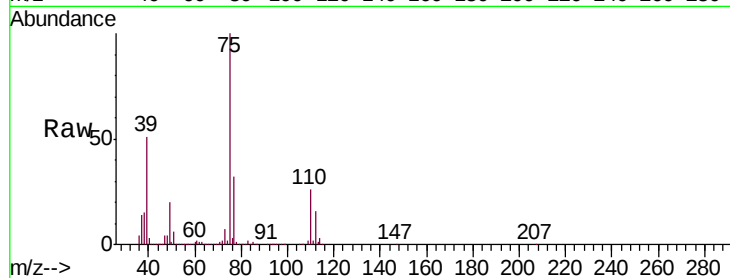
VSTDIC150

Tgt Ion: 75 Resp: 713759

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 147.735 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

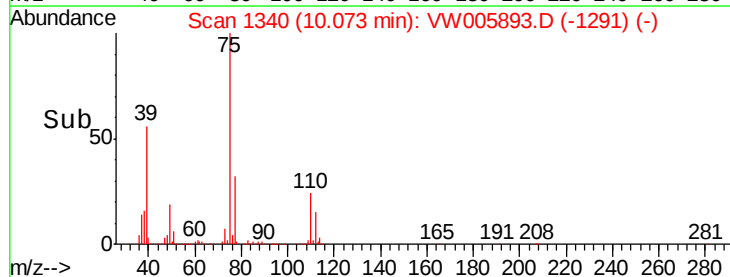
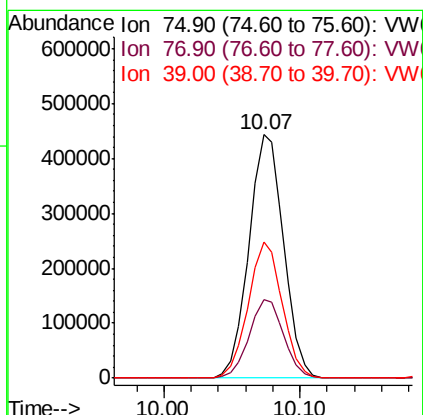
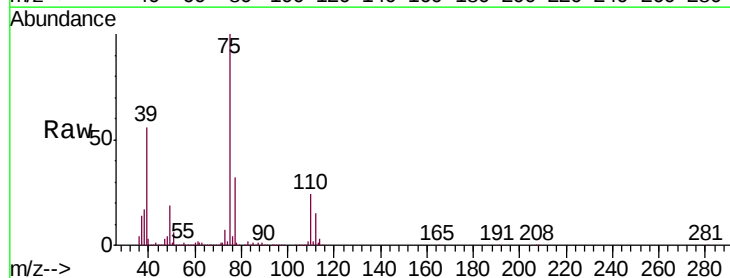
Tgt Ion: 75 Resp: 794821

Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0

39 56.0 44.2 66.4





#55

1,1,2-Trichloroethane

Concen: 148.004 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 373089

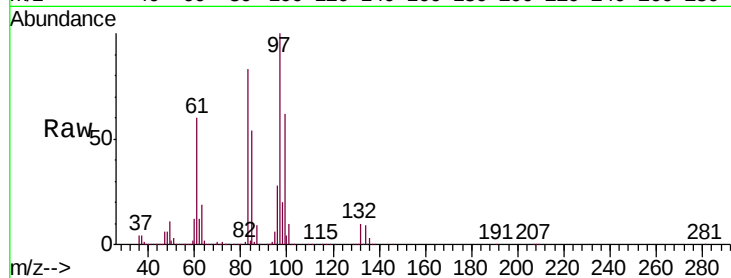
Ion Ratio Lower Upper

97 100

83 83.3 66.9 100.3

85 54.5 43.4 65.0

99 61.7 49.8 74.6



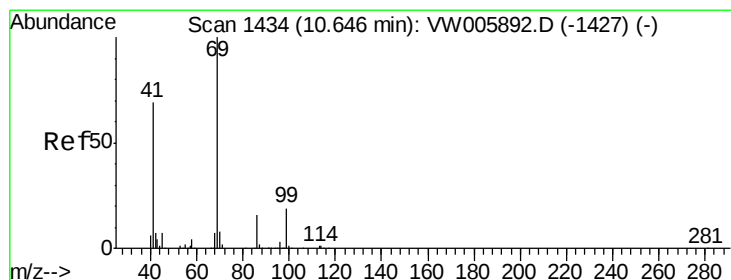
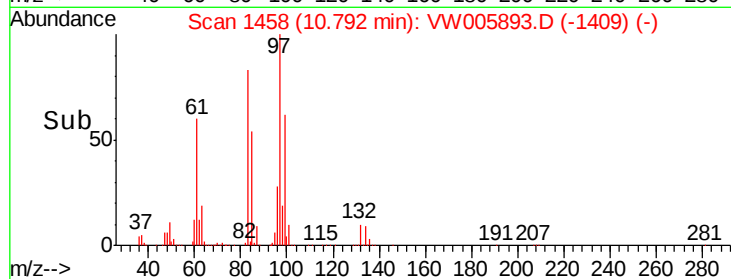
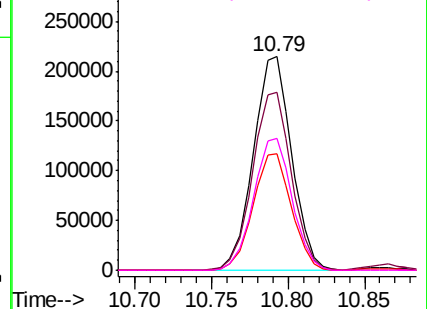
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 150.069 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

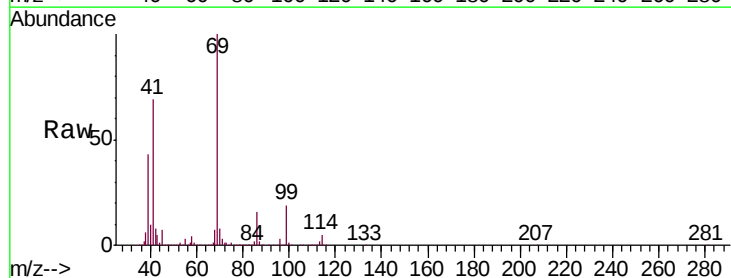
Tgt Ion: 69 Resp: 509864

Ion Ratio Lower Upper

69 100

41 69.0 56.0 84.0

39 41.8 33.5 50.3

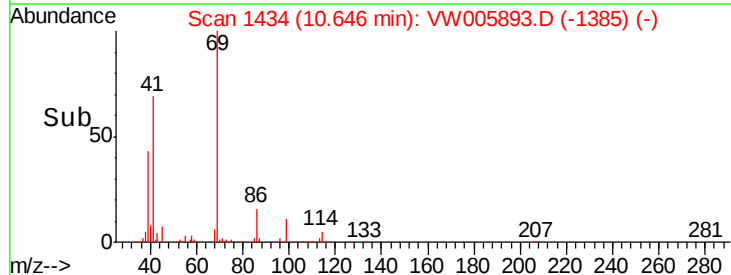
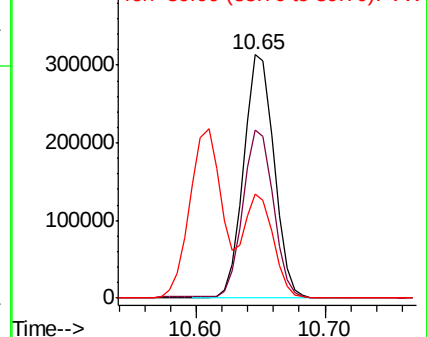


Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

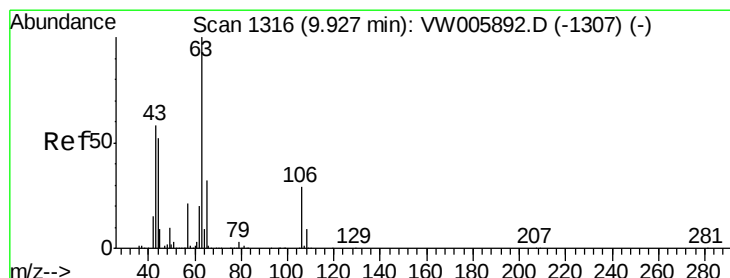
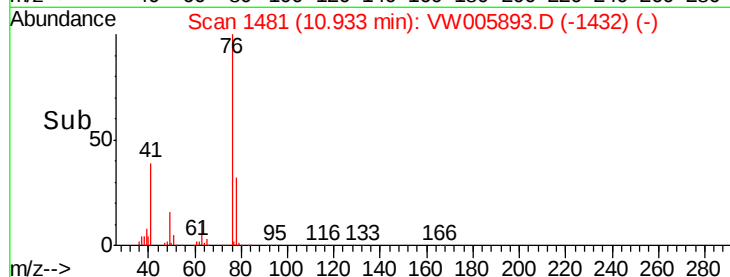
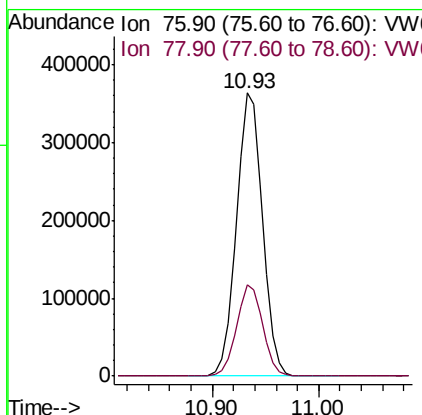
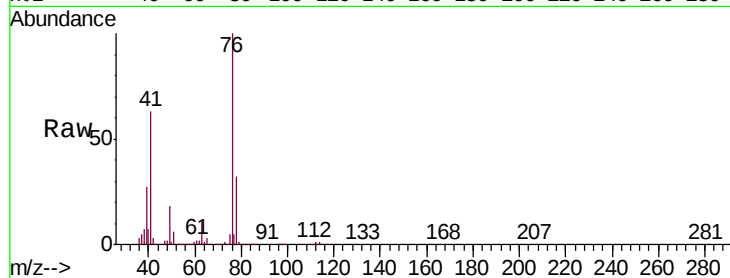




#57
 1,3-Dichloropropane
 Concen: 147.172 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

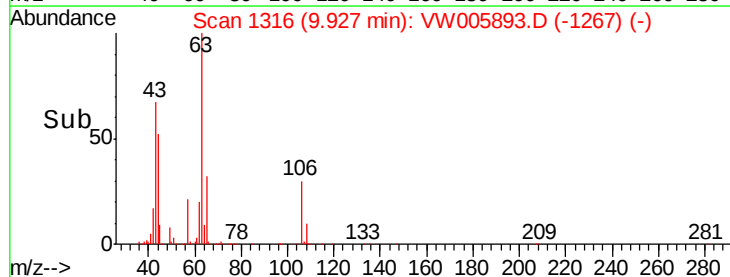
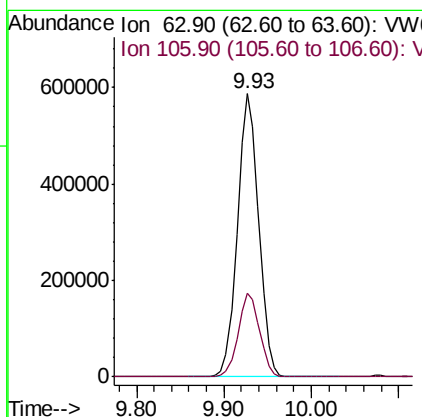
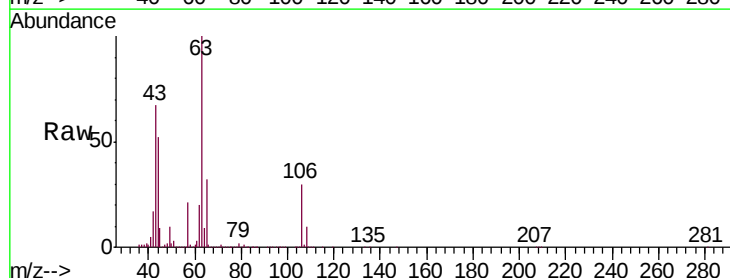
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

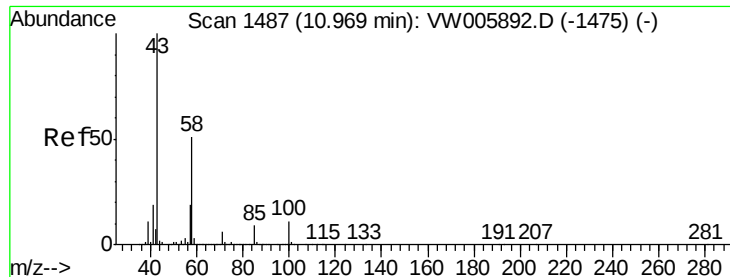
Tgt Ion: 76 Resp: 624120
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 716.397 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion: 63 Resp: 990377
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.6 35.4

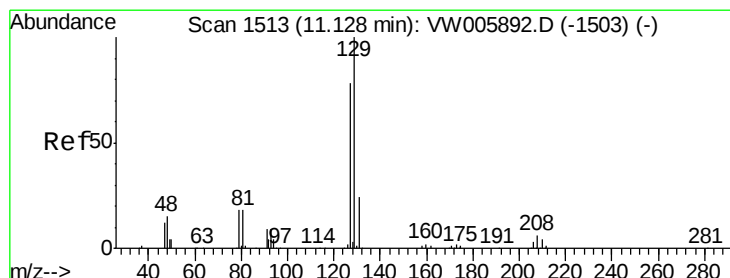
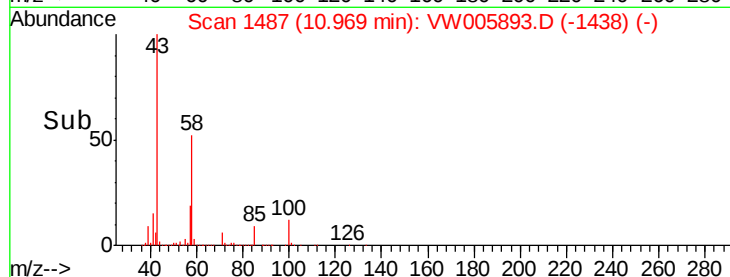
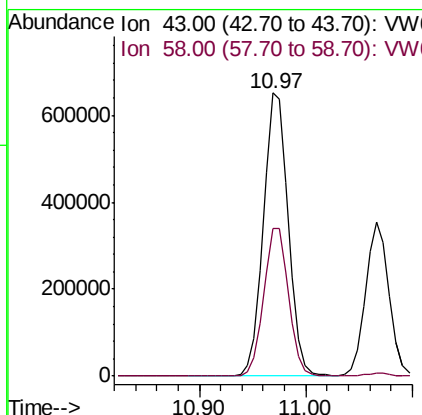
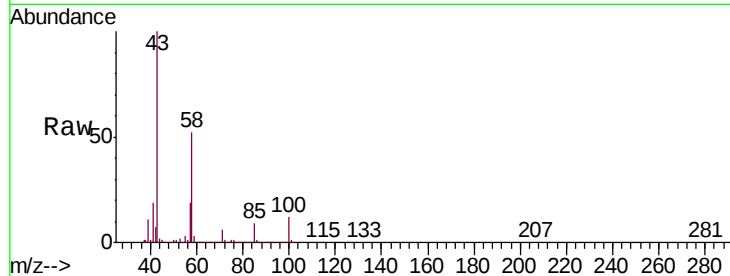




#59
2-Hexanone
Concen: 713.461 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

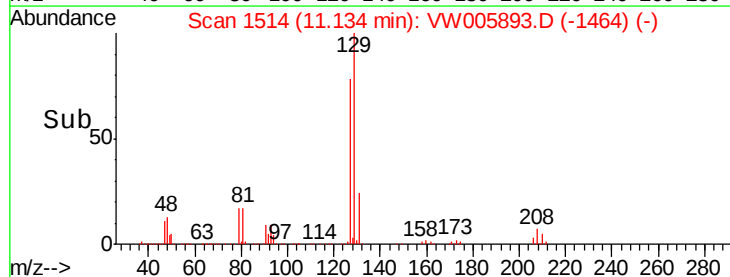
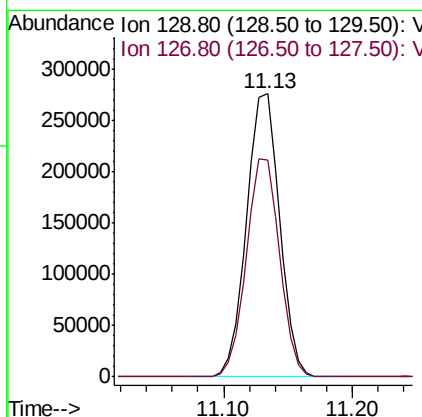
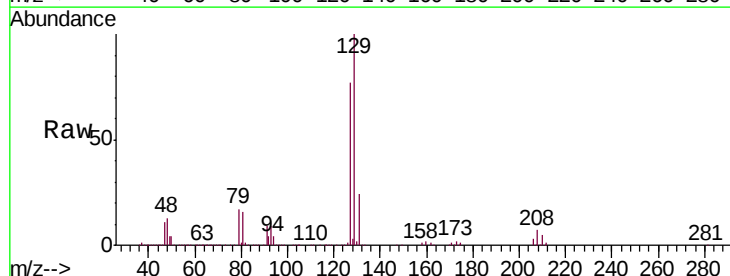
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

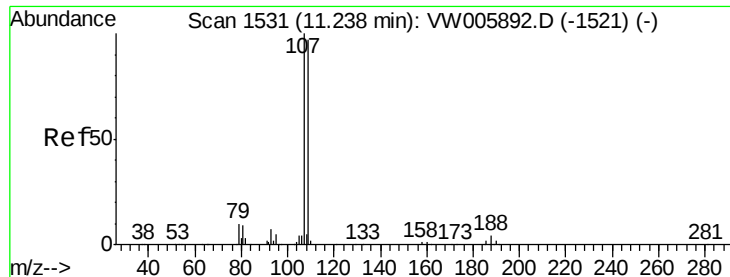
Tgt Ion: 43 Resp: 1065140
Ion Ratio Lower Upper
43 100
58 52.6 25.7 77.1



#60
Dibromochloromethane
Concen: 150.632 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 129 Resp: 489998
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5

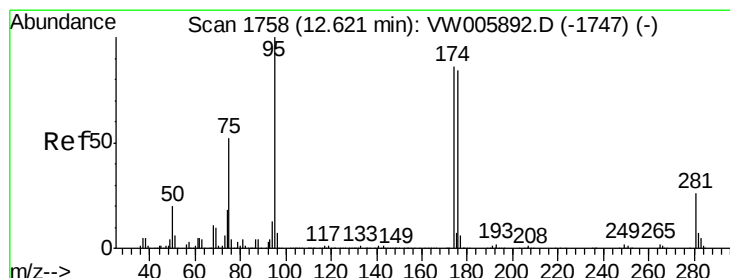
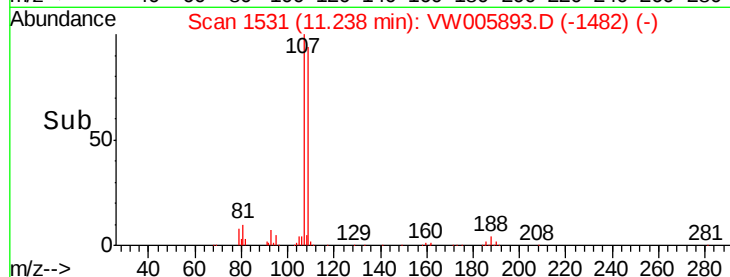
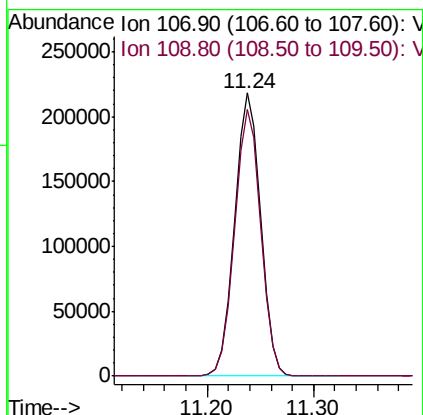
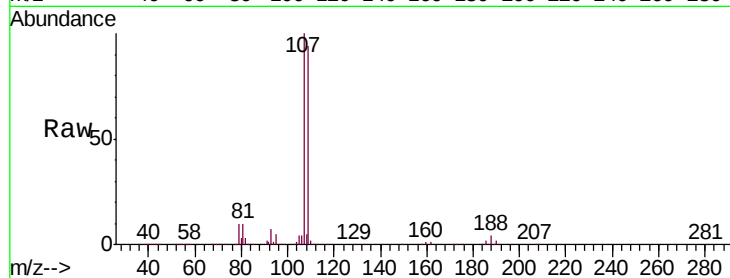




#61
1,2-Dibromoethane
Concen: 148.897 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

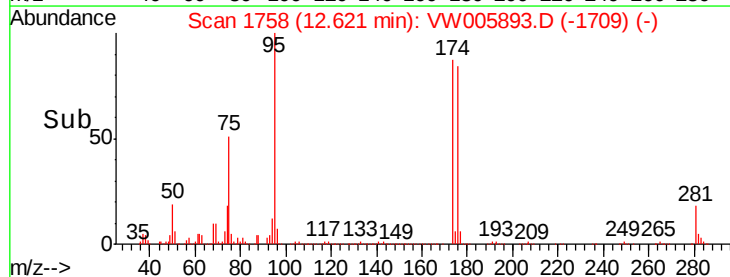
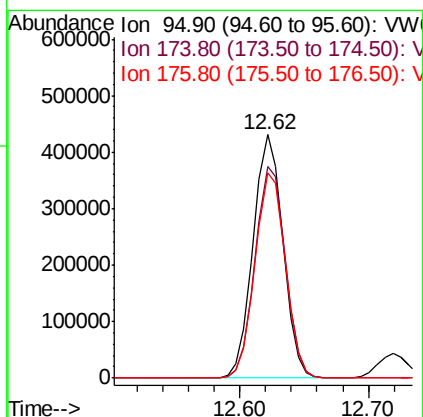
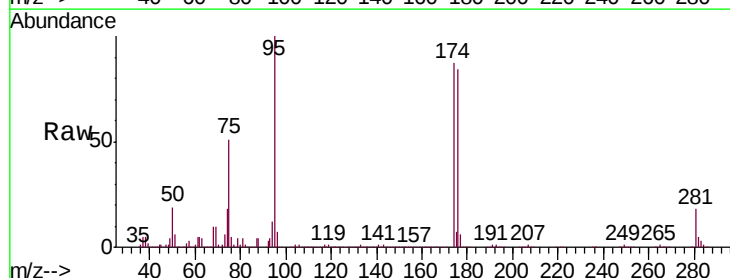
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

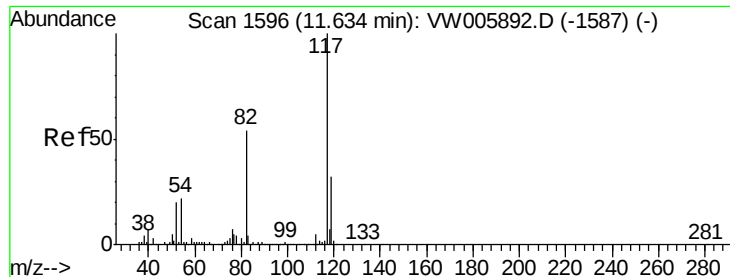
Tgt Ion: 107 Resp: 375065
Ion Ratio Lower Upper
107 100
109 94.6 75.8 113.8



#62
4-Bromofluorobenzene
Concen: 145.678 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion: 95 Resp: 686782
Ion Ratio Lower Upper
95 100
174 88.3 0.0 176.4
176 85.6 0.0 173.0

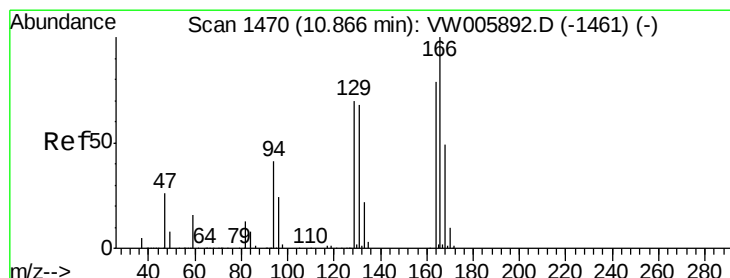
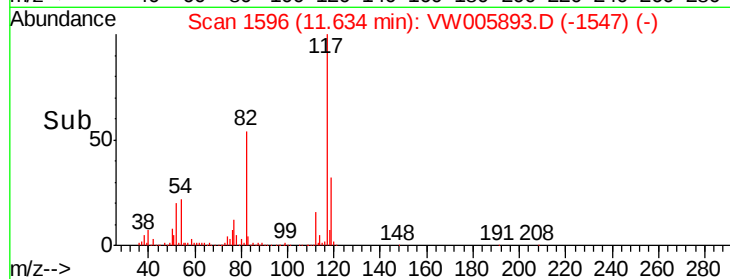
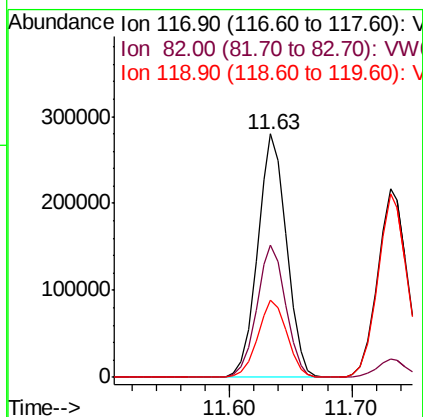
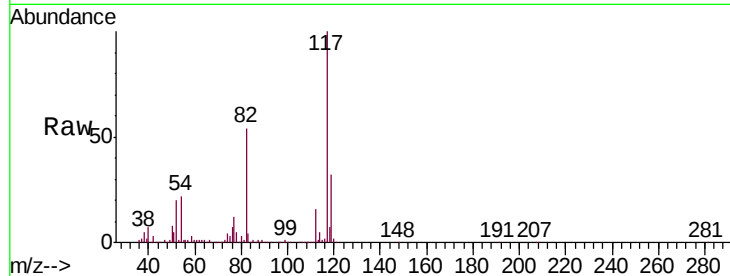




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

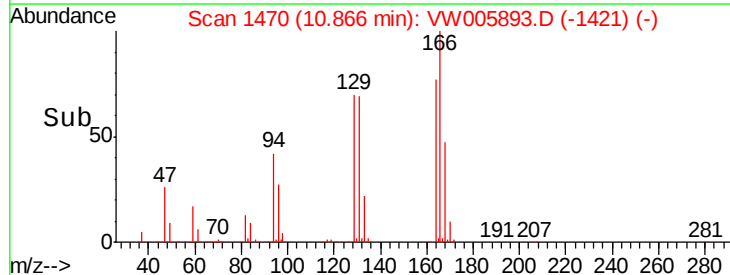
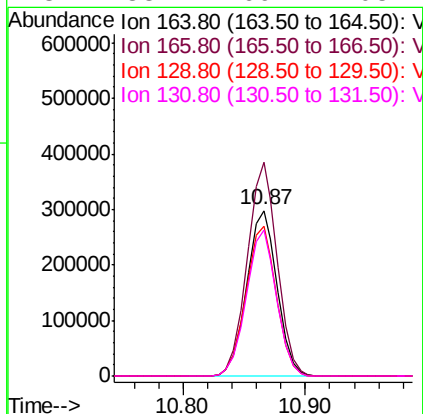
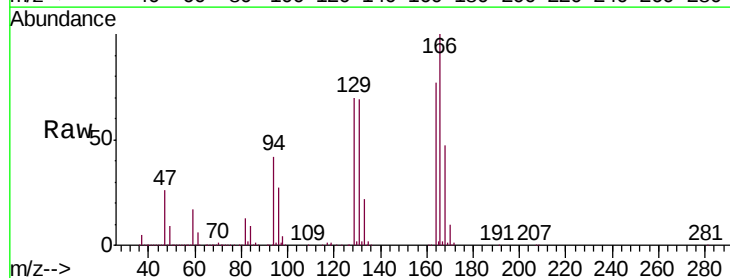
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 459110
Ion Ratio Lower Upper
117 100
82 54.0 43.5 65.3
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 149.545 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion:164 Resp: 511434
Ion Ratio Lower Upper
164 100
166 129.1 101.5 152.3
129 90.6 71.1 106.7
131 88.4 69.1 103.7





#65

Chlorobenzene

Concen: 145.670 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

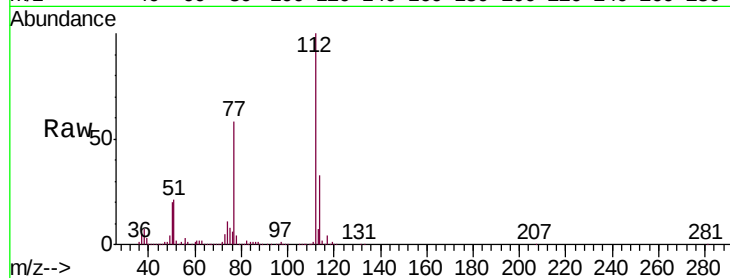
VSTDIC150

Tgt Ion:112 Resp: 1432552

Ion Ratio Lower Upper

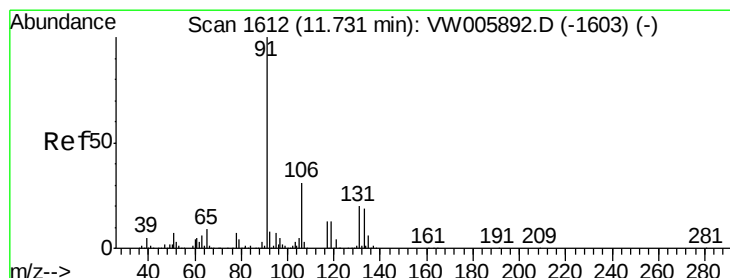
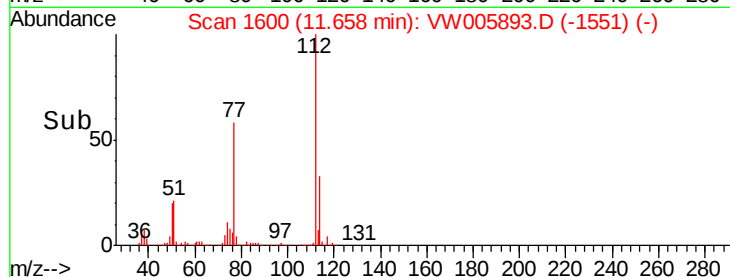
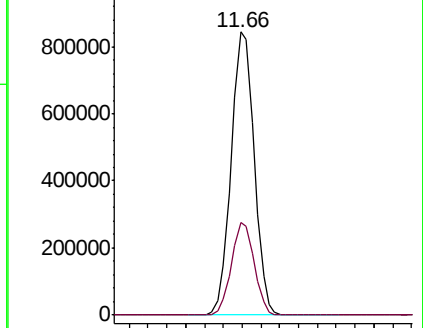
112 100

114 32.6 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 149.785 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

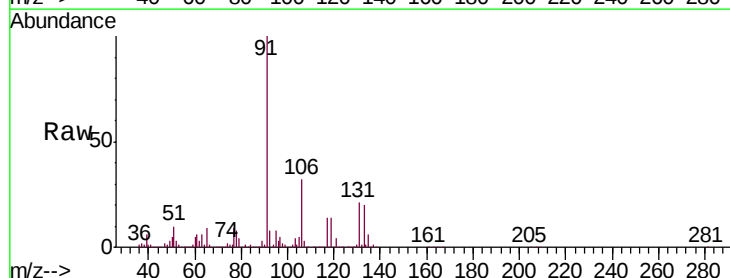
Tgt Ion:131 Resp: 539921

Ion Ratio Lower Upper

131 100

133 95.4 48.2 144.6

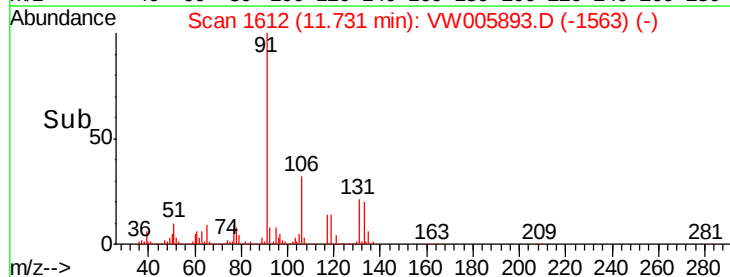
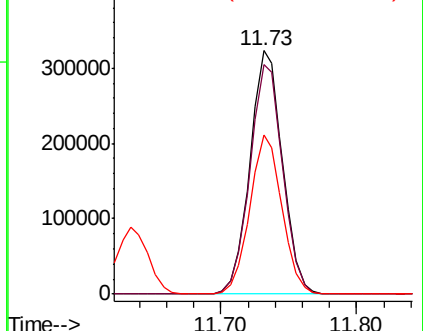
119 64.8 32.5 97.5

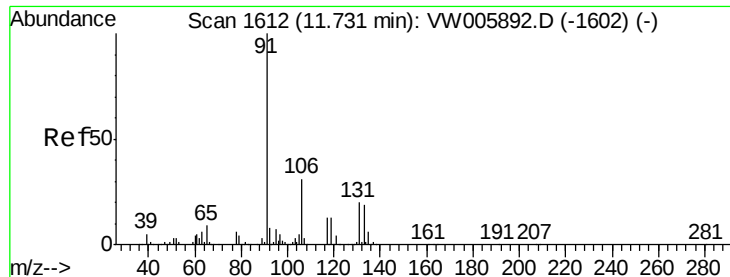


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 144.248 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

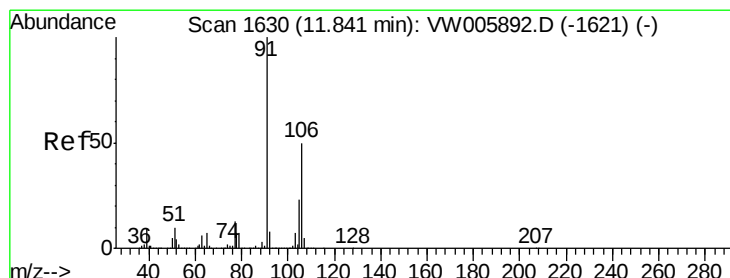
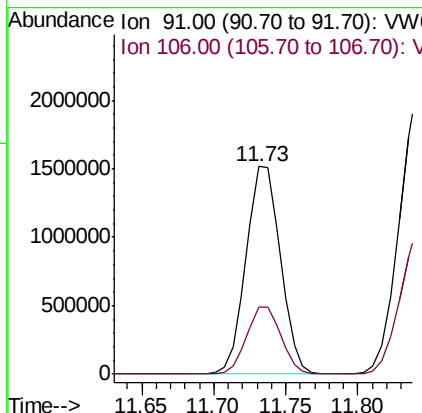
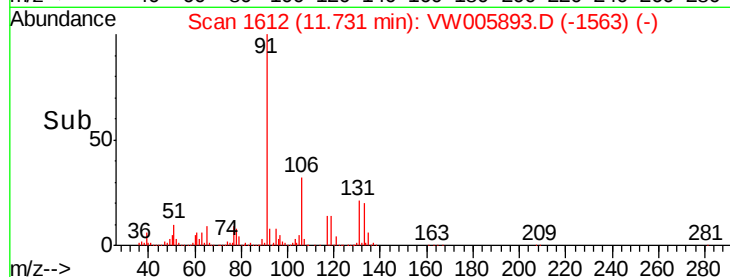
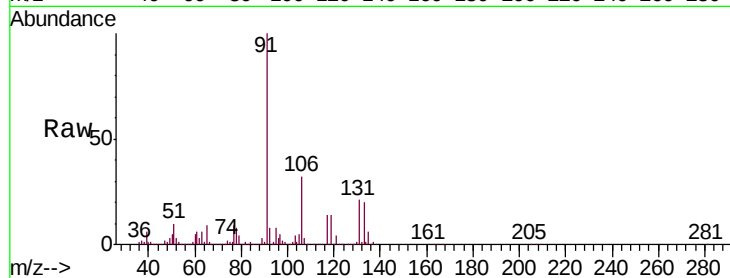
VSTDIC150

Tgt Ion: 91 Resp: 2505633

Ion Ratio Lower Upper

91 100

106 32.3 25.0 37.6



#68

m/p-Xylenes

Concen: 290.592 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW005893.D

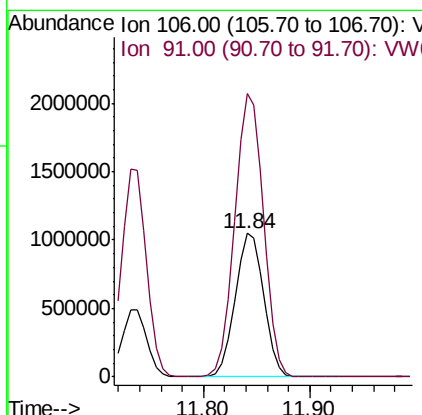
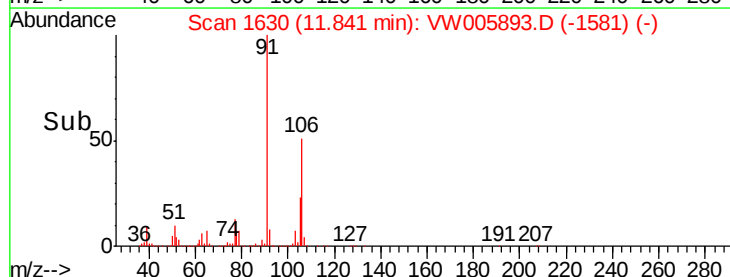
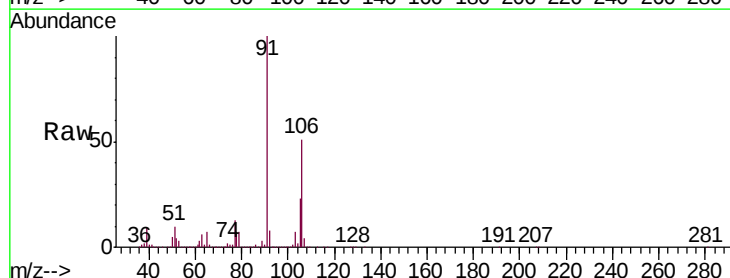
Acq: 08 Oct 2018 13:32

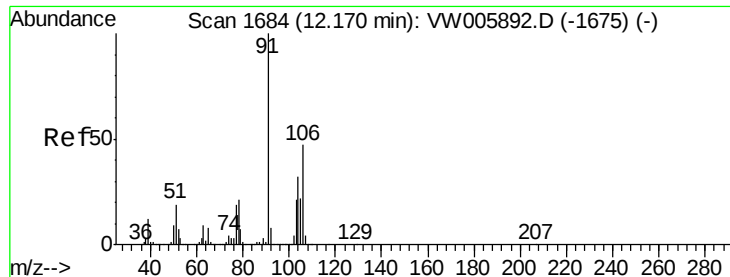
Tgt Ion: 106 Resp: 1972609

Ion Ratio Lower Upper

106 100

91 198.9 160.2 240.2

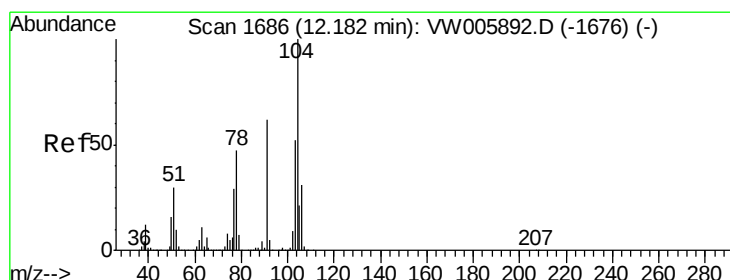
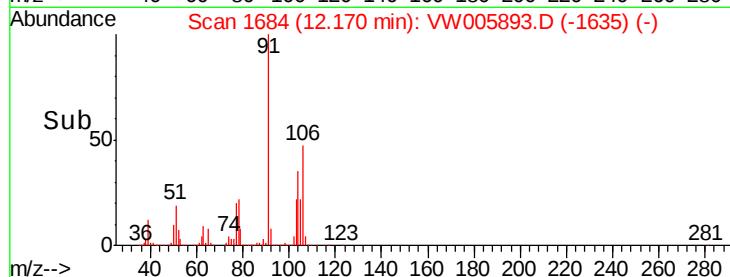
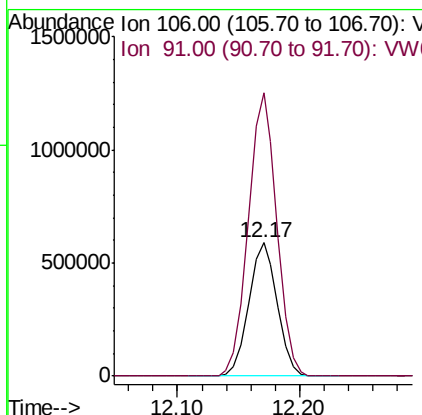
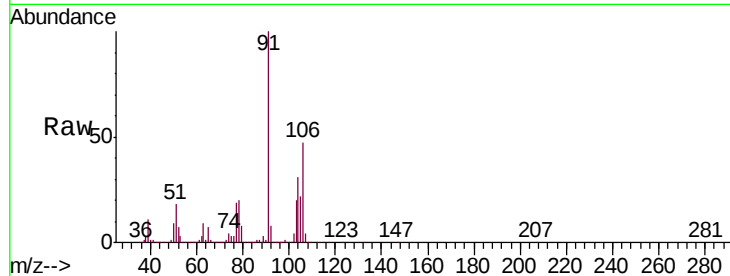




#69
o-Xylene
Concen: 146.396 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

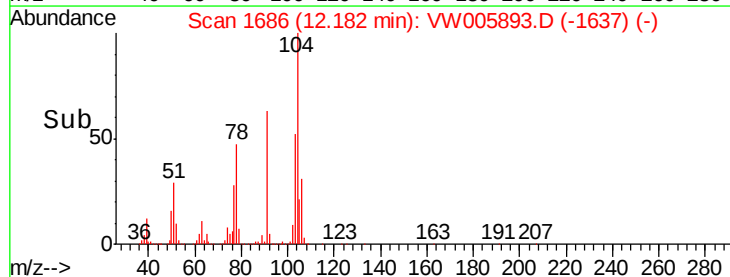
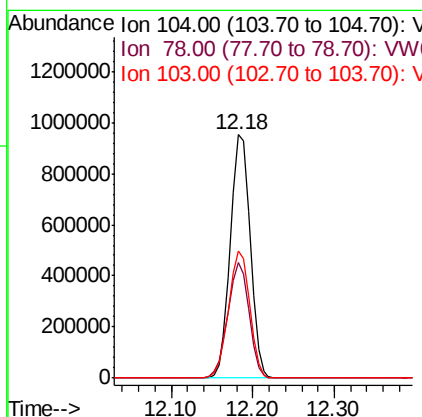
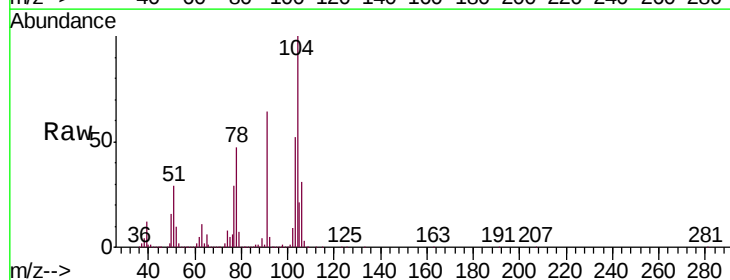
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

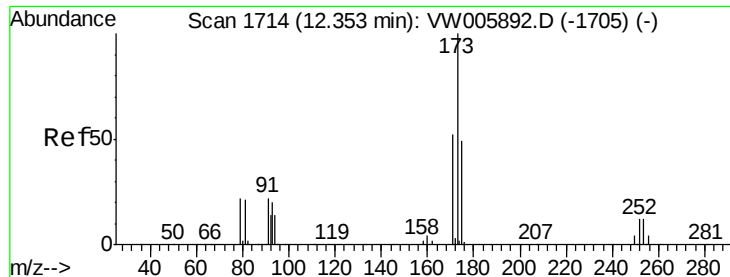
Tgt Ion:106 Resp: 951400
Ion Ratio Lower Upper
106 100
91 212.2 106.2 318.5



#70
Styrene
Concen: 147.629 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion:104 Resp: 1591821
Ion Ratio Lower Upper
104 100
78 50.7 40.4 60.6
103 55.3 44.2 66.2





#71

Bromoform

Concen: 153.097 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

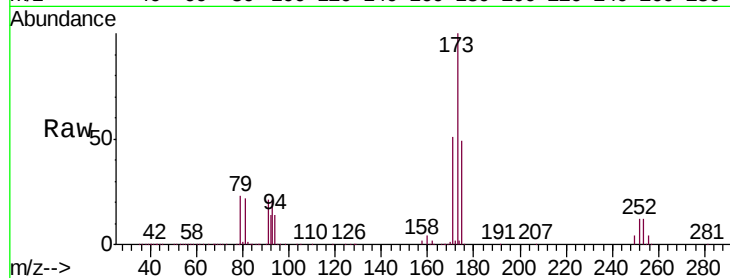
Tgt Ion:173 Resp: 328723

Ion Ratio Lower Upper

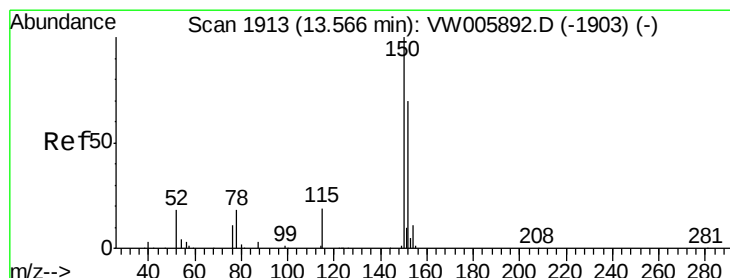
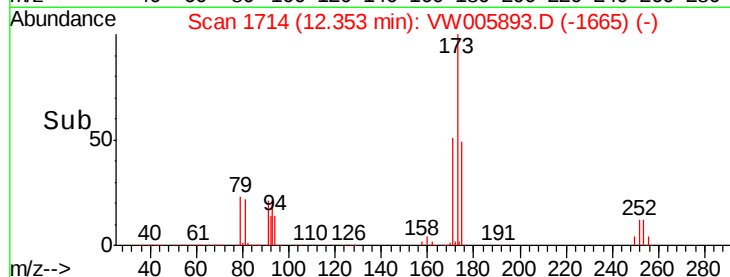
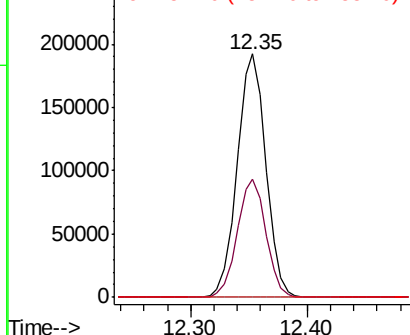
173 100

175 48.6 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: VW005893.D

Acq: 08 Oct 2018 13:32

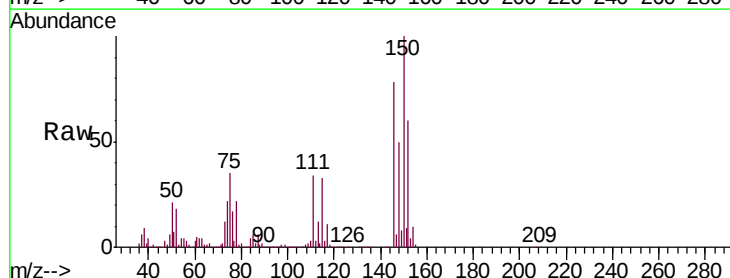
Tgt Ion:152 Resp: 243835

Ion Ratio Lower Upper

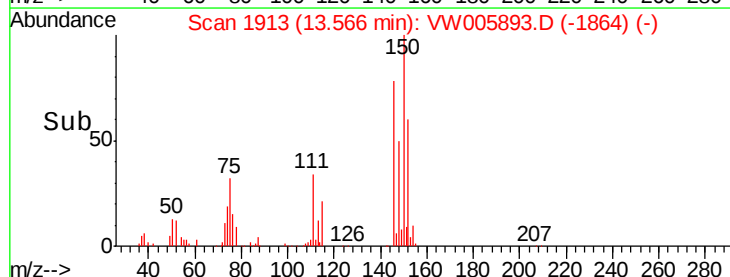
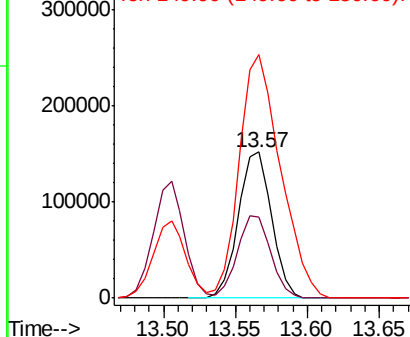
152 100

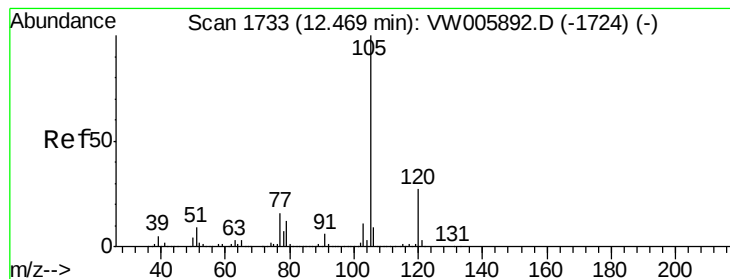
115 55.7 28.3 85.0

150 206.0 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: 146.906 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

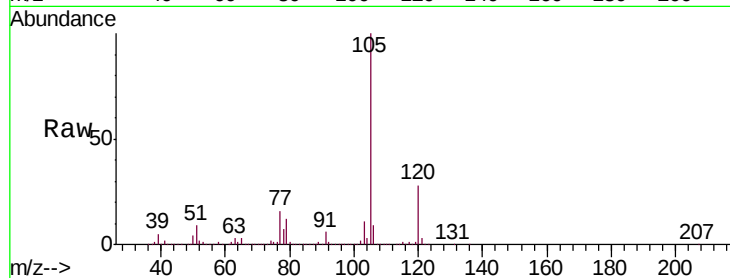
VSTDIC150

Tgt Ion:105 Resp: 2616050

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

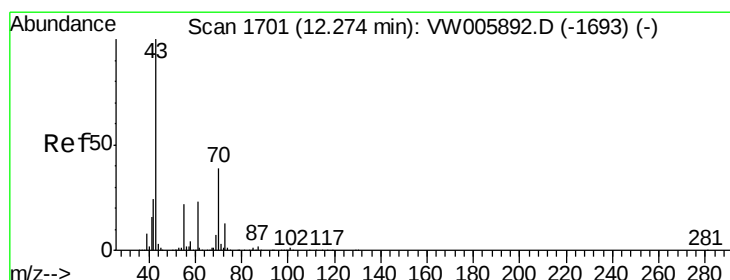
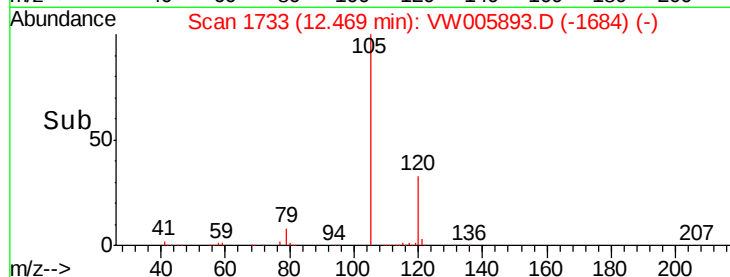
1000000

500000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 148.773 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Tgt Ion: 43 Resp: 629190

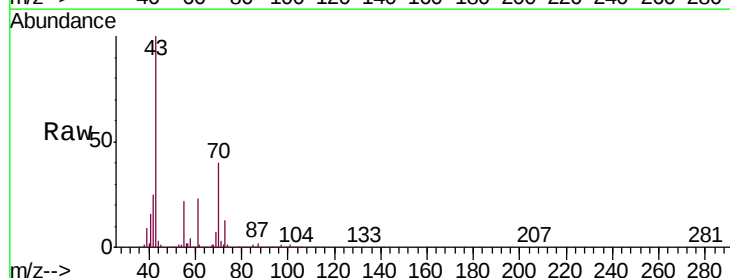
Ion Ratio Lower Upper

43 100

70 40.2 31.6 47.4

55 22.3 17.9 26.9

61 23.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

600000

500000

400000

300000

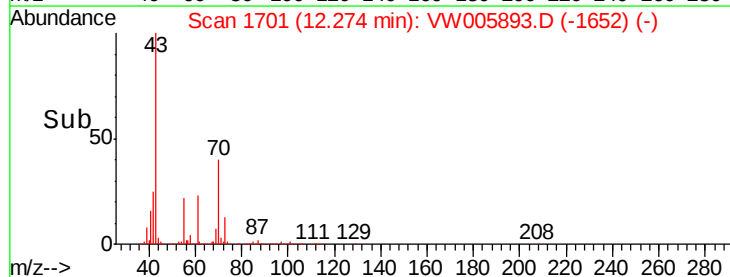
200000

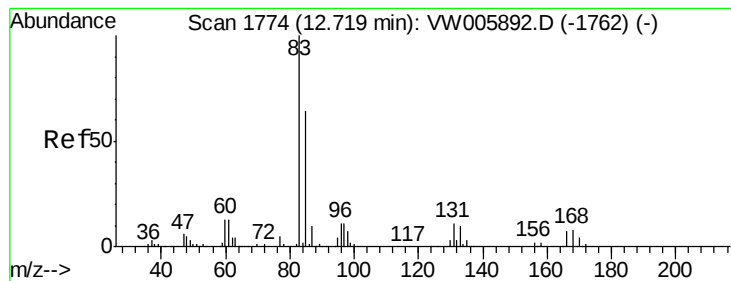
100000

0

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 147.285 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

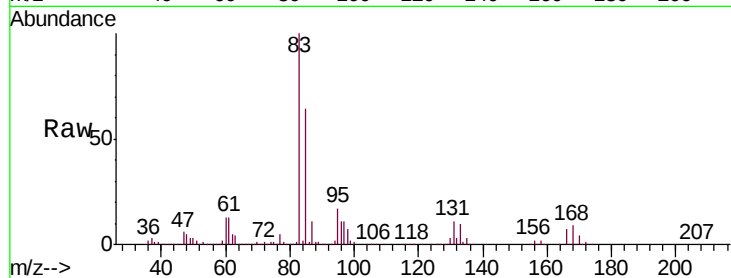
Tgt Ion: 83 Resp: 429892

Ion Ratio Lower Upper

83 100

131 11.7 5.8 17.3

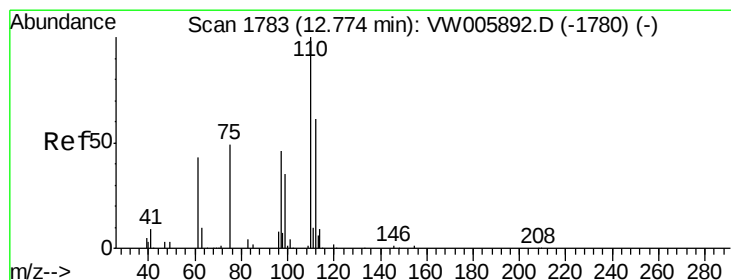
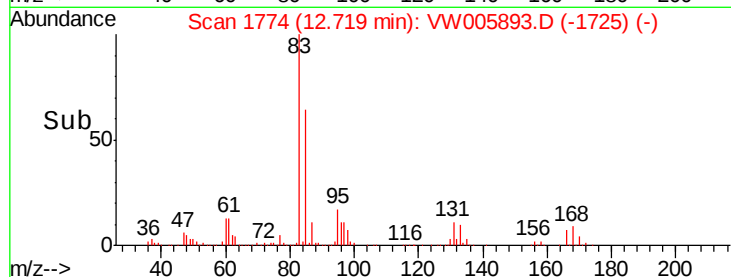
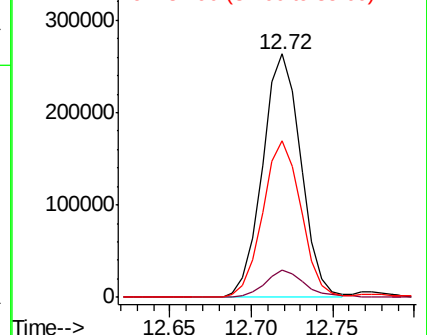
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 158.519 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005893.D

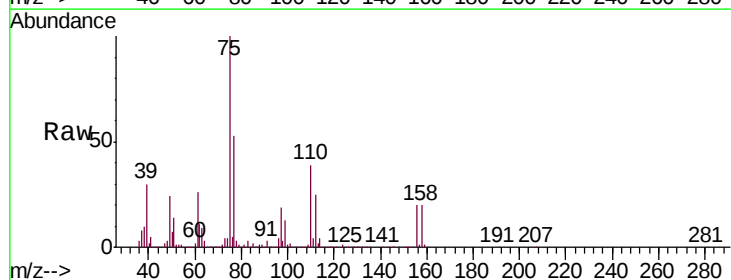
Acq: 08 Oct 2018 13:32

Tgt Ion: 75 Resp: 591618

Ion Ratio Lower Upper

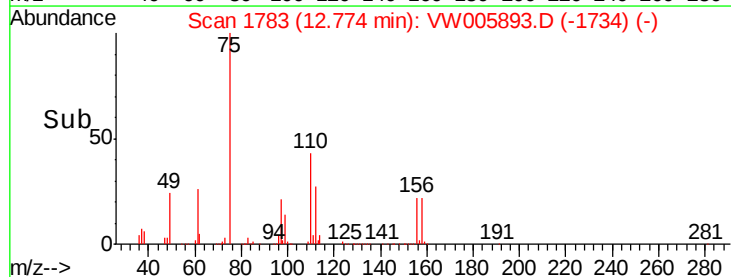
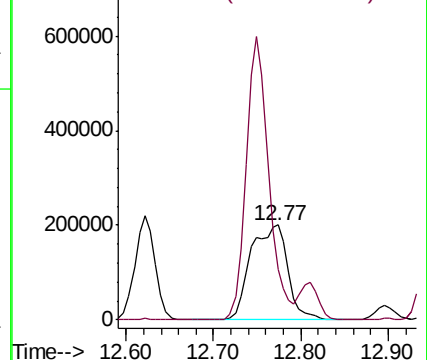
75 100

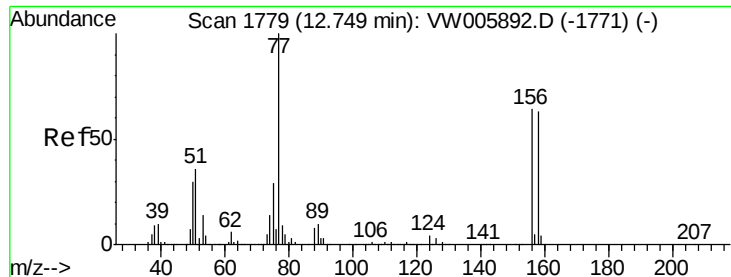
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 149.340 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

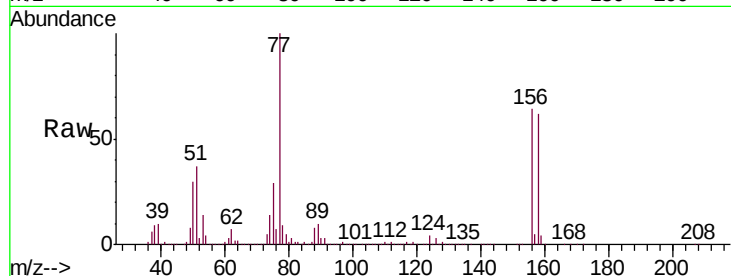
Tgt Ion:156 Resp: 630065

Ion Ratio Lower Upper

156 100

77 170.8 85.8 257.4

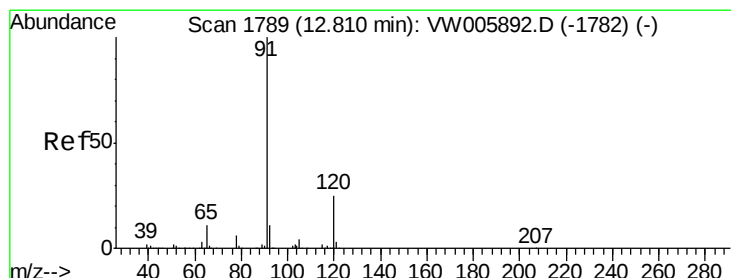
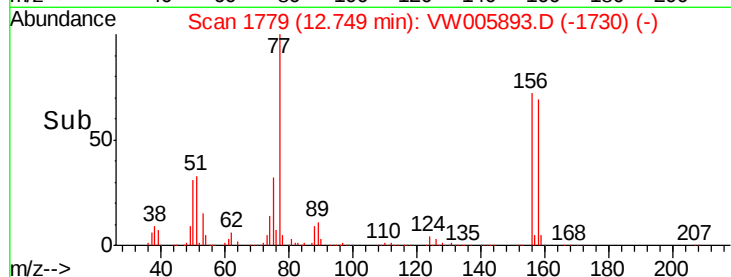
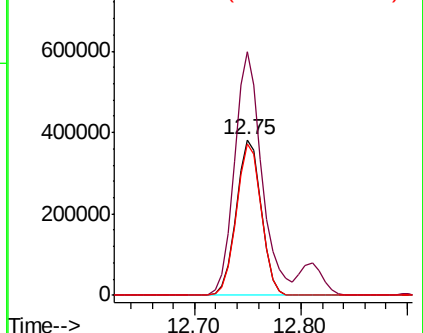
158 97.6 49.1 147.4



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: 144.246 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005893.D

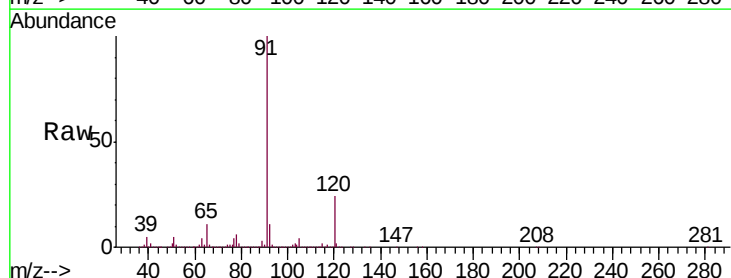
Acq: 08 Oct 2018 13:32

Tgt Ion: 91 Resp: 3021657

Ion Ratio Lower Upper

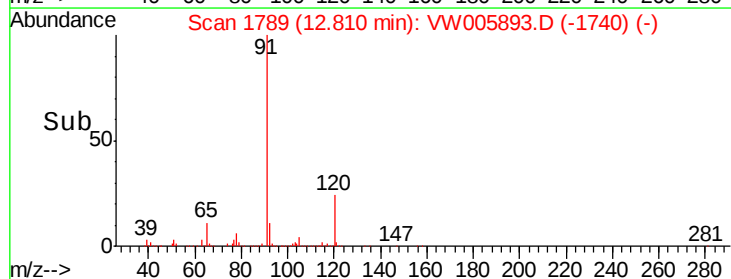
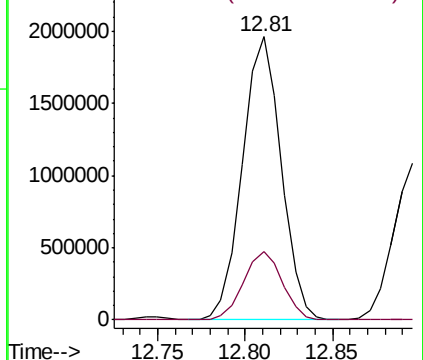
91 100

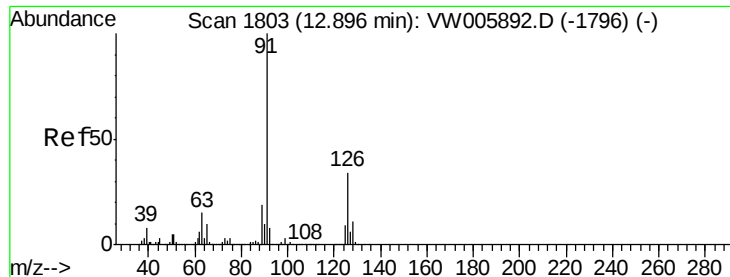
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 145.730 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

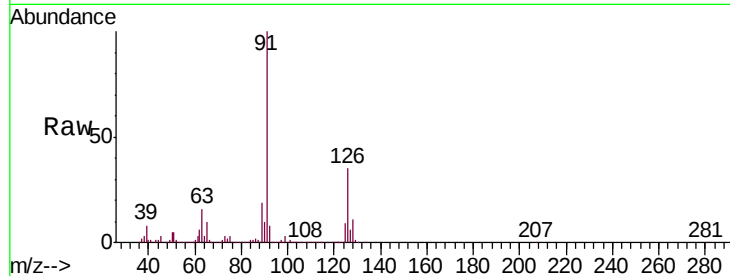
VSTDIC150

Tgt Ion: 91 Resp: 1723271

Ion Ratio Lower Upper

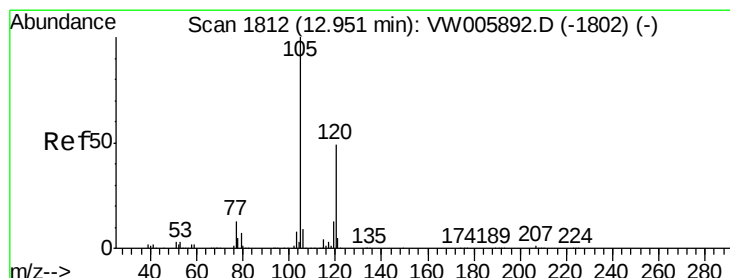
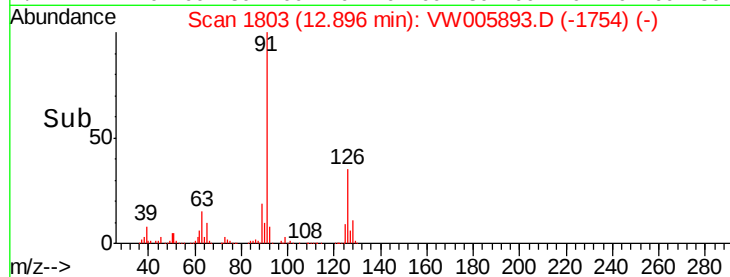
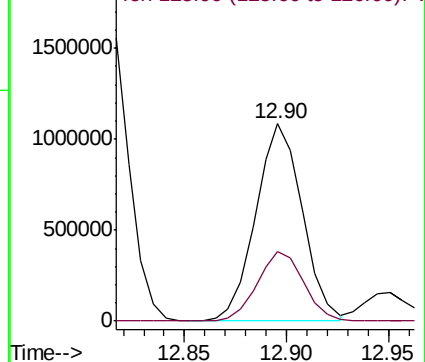
91 100

126 35.3 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 144.520 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005893.D

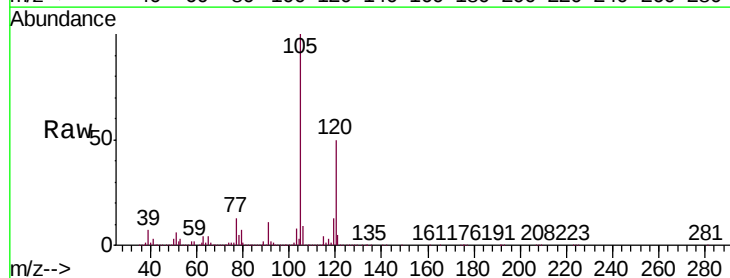
Acq: 08 Oct 2018 13:32

Tgt Ion:105 Resp: 2172749

Ion Ratio Lower Upper

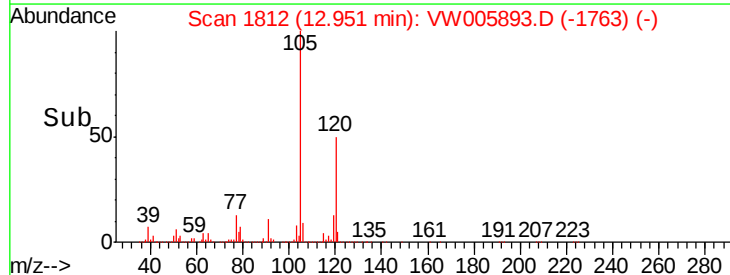
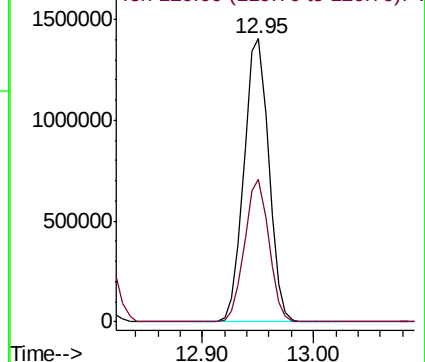
105 100

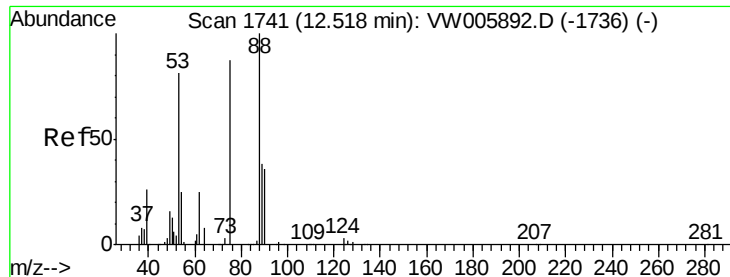
120 49.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 149.682 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

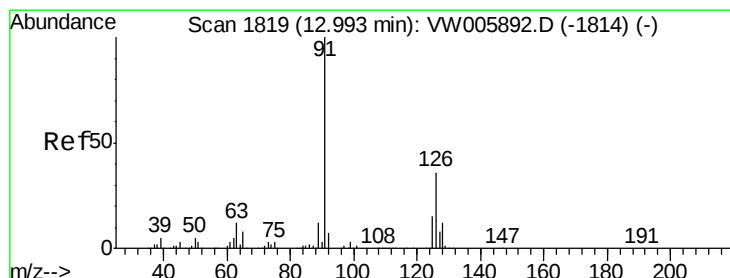
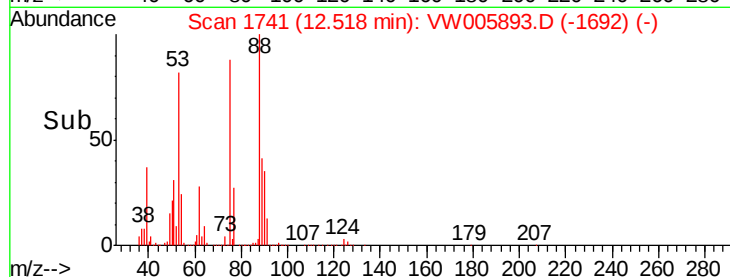
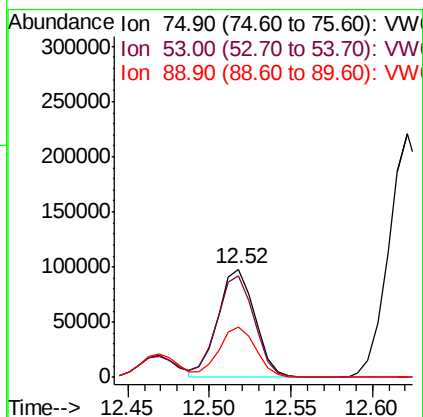
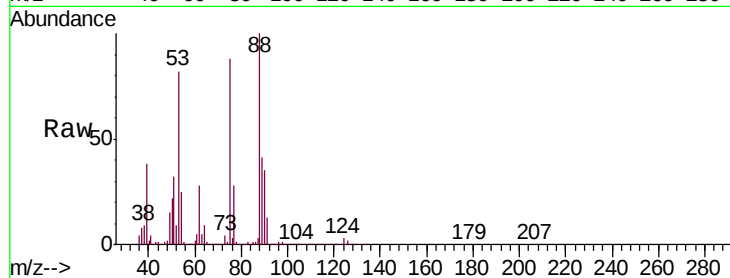
Tgt Ion: 75 Resp: 154433

Ion Ratio Lower Upper

75 100

53 93.9 76.5 114.7

89 45.9 37.6 56.4



#82

4-Chlorotoluene

Concen: 146.223 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005893.D

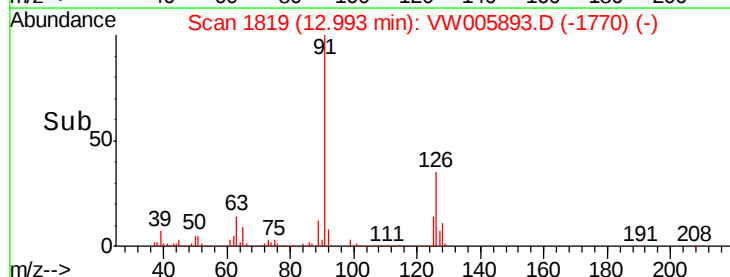
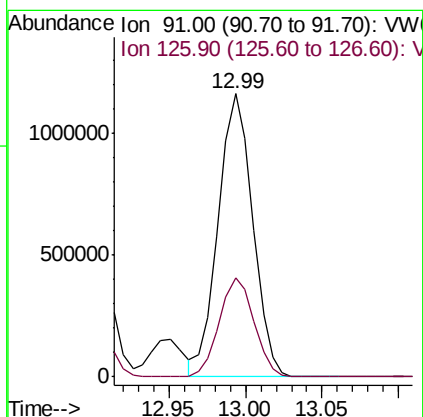
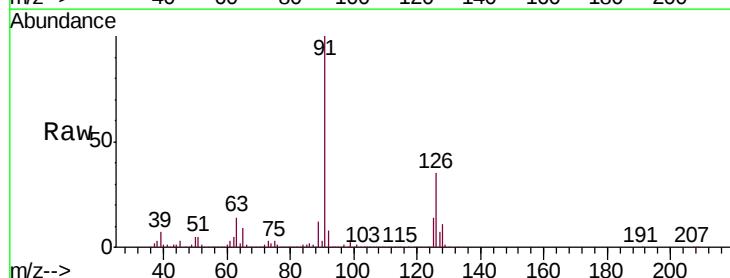
Acq: 08 Oct 2018 13:32

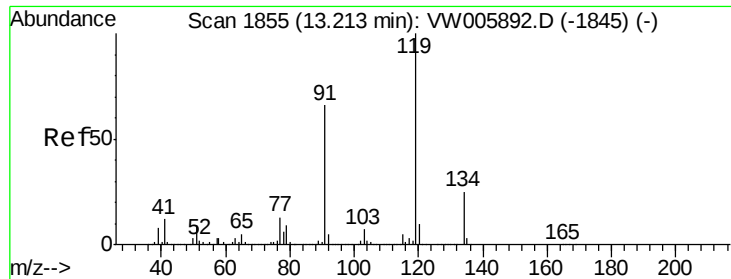
Tgt Ion: 91 Resp: 1819238

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.2

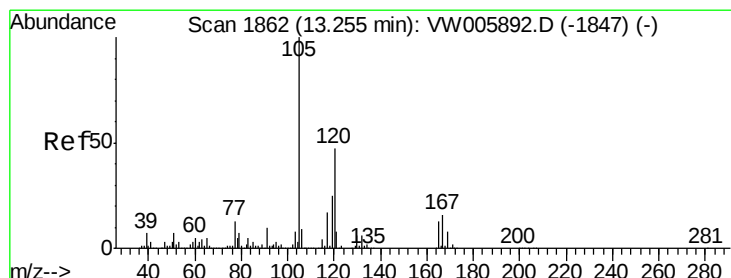
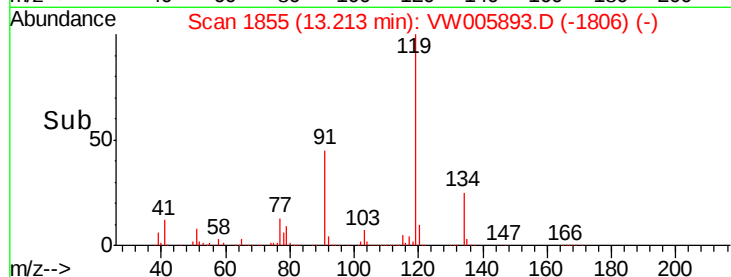
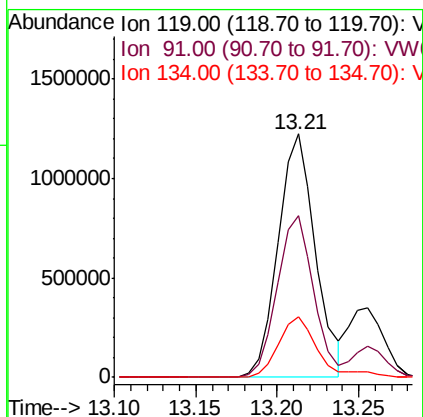
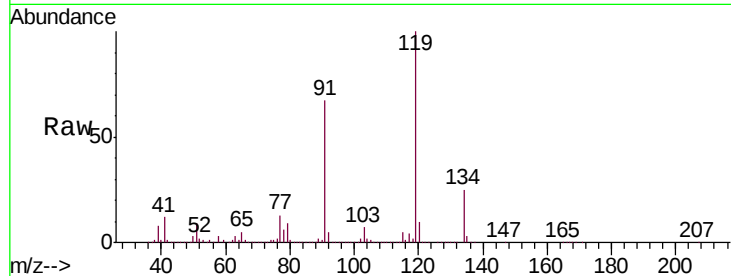




#83
 tert-Butylbenzene
 Concen: 145.734 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

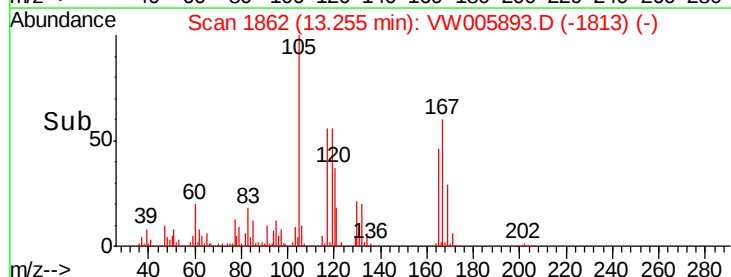
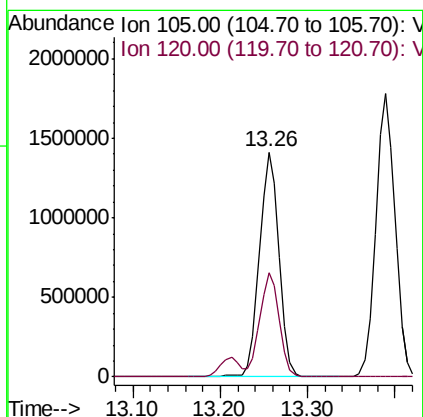
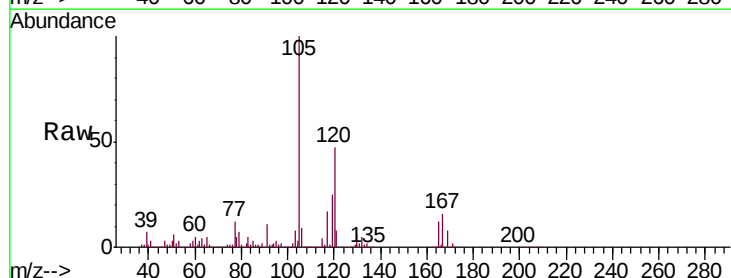
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

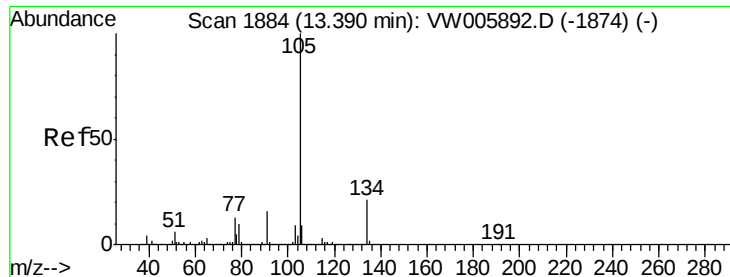
Tgt Ion:119 Resp: 1948734
 Ion Ratio Lower Upper
 119 100
 91 64.9 32.4 97.0
 134 26.4 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 144.159 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion:105 Resp: 2186220
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.3

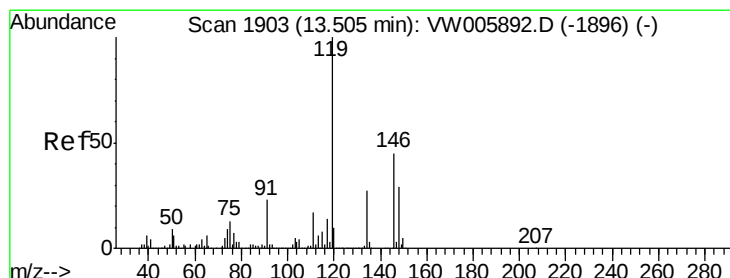
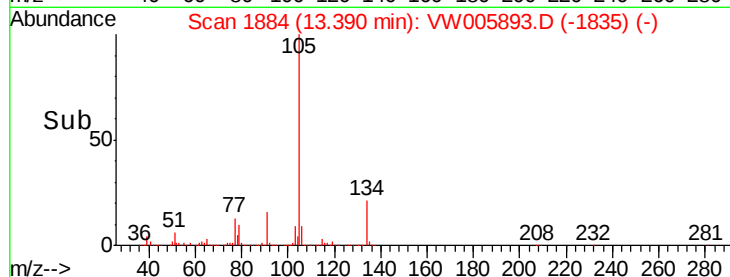
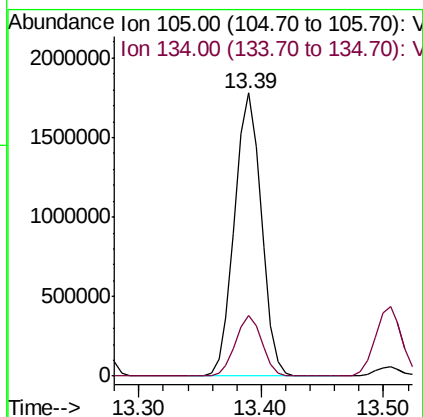
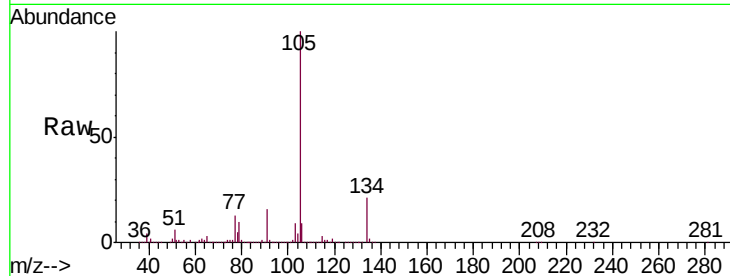




#85
 sec-Butylbenzene
 Concen: 143.562 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

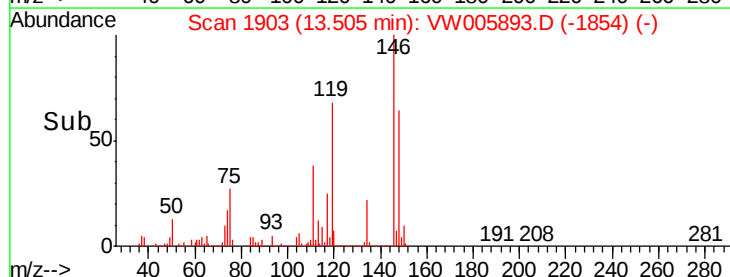
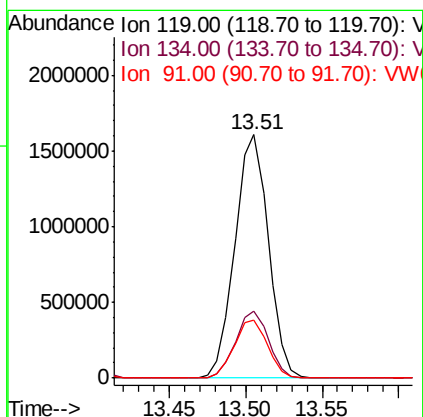
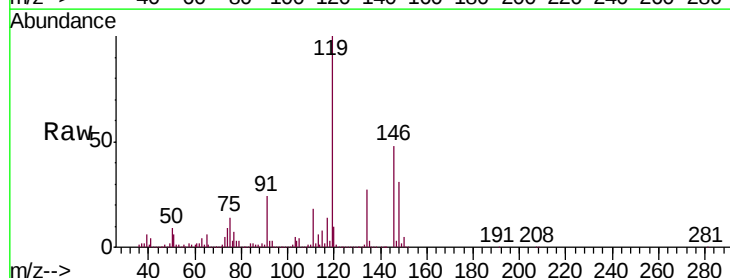
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

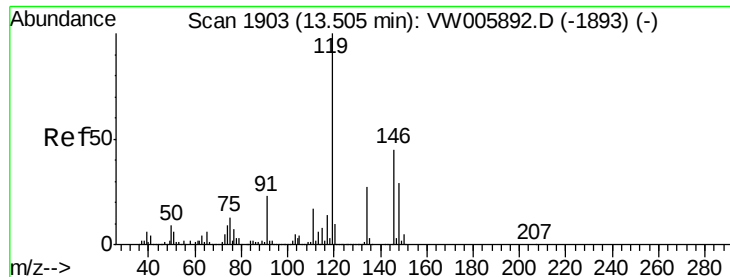
Tgt Ion:105 Resp: 2694604
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 144.075 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion:119 Resp: 2431897
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.5
 91 23.8 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 146.375 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

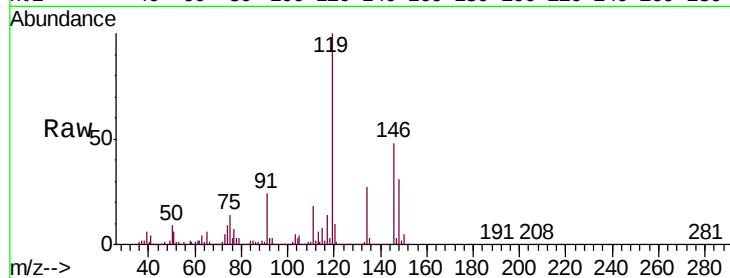
Tgt Ion:146 Resp: 1226885

Ion Ratio Lower Upper

146 100

111 38.8 19.5 58.5

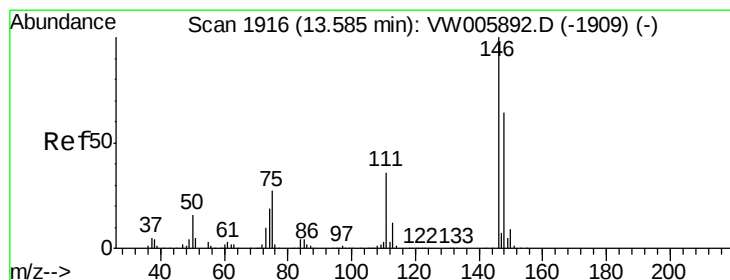
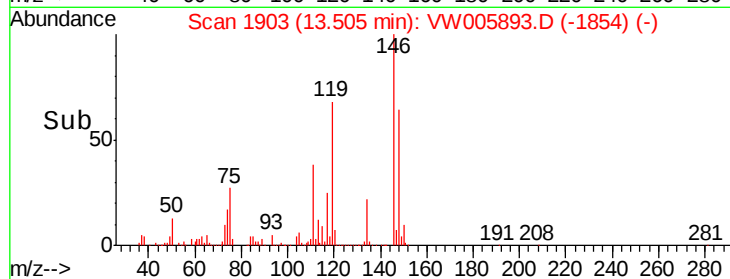
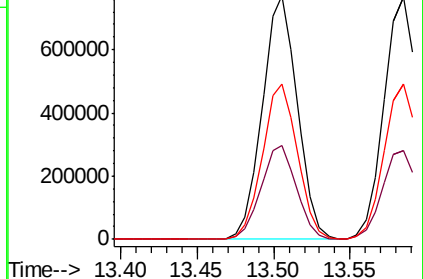
148 63.9 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 144.560 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

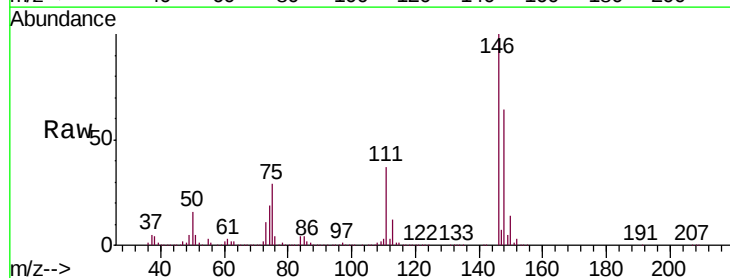
Tgt Ion:146 Resp: 1204047

Ion Ratio Lower Upper

146 100

111 37.5 19.0 57.0

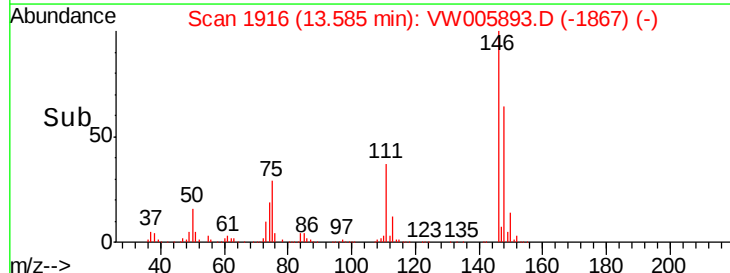
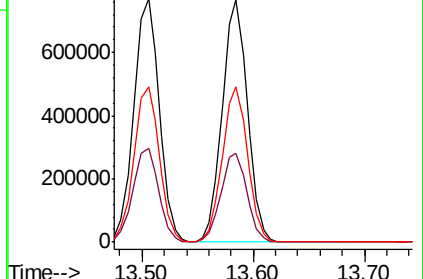
148 64.2 32.0 96.2

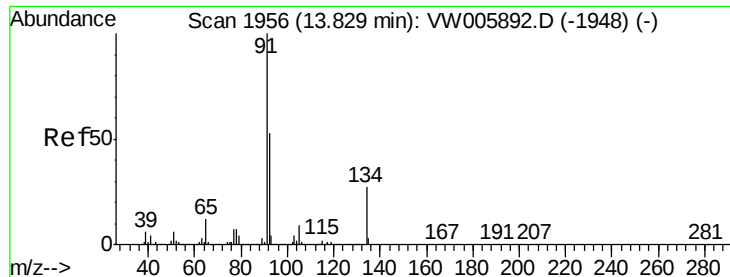


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 141.787 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

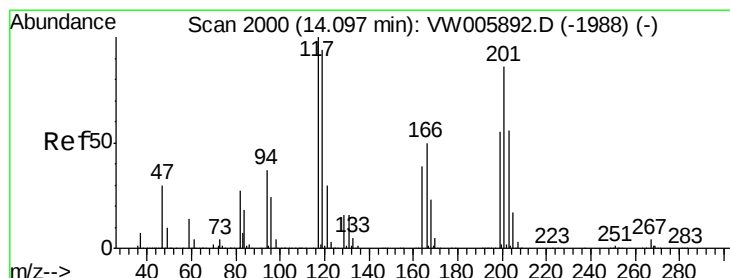
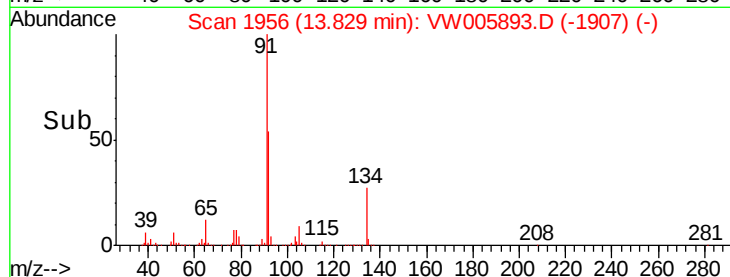
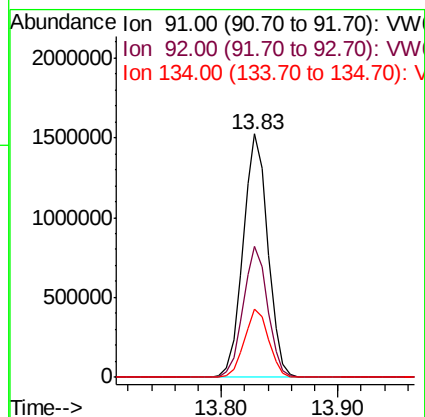
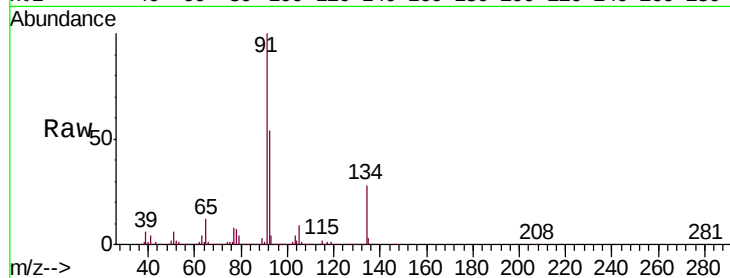
Tgt Ion: 91 Resp: 2255951

Ion Ratio Lower Upper

91 100

92 53.3 26.6 79.8

134 27.8 13.8 41.4



#90

Hexachloroethane

Concen: 145.151 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW005893.D

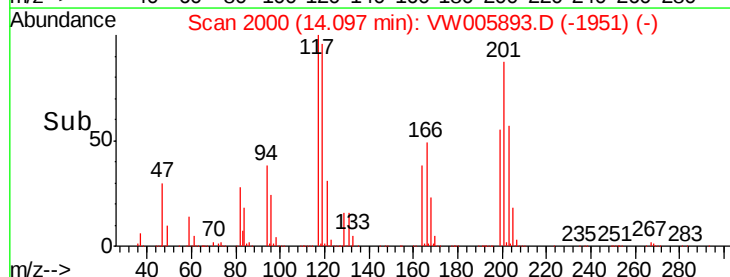
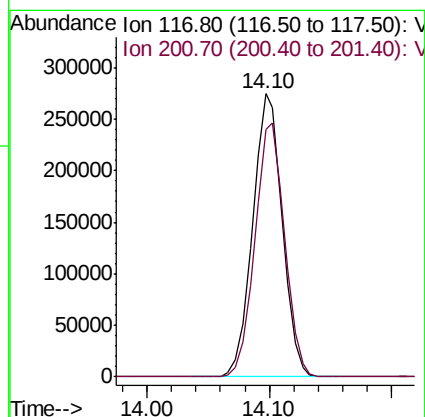
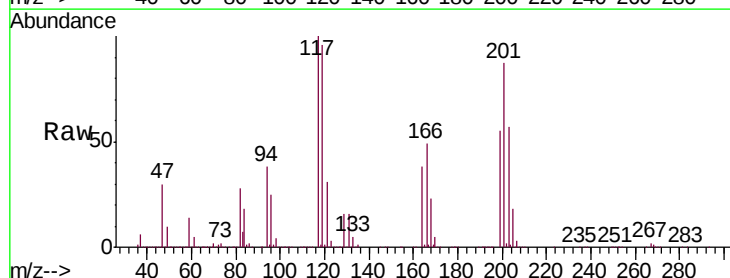
Acq: 08 Oct 2018 13:32

Tgt Ion: 117 Resp: 460800

Ion Ratio Lower Upper

117 100

201 90.4 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 145.811 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

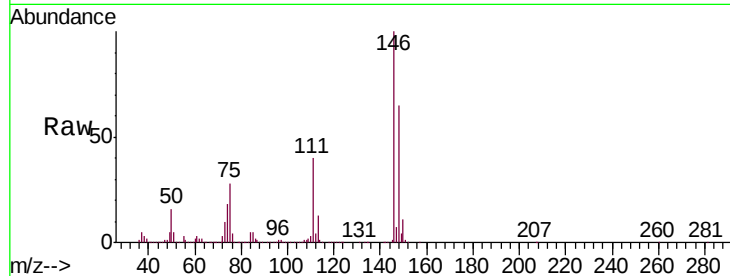
Tgt Ion:146 Resp: 1085061

Ion Ratio Lower Upper

146 100

111 40.6 20.3 61.0

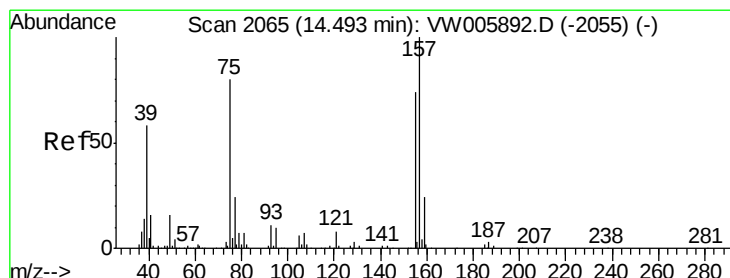
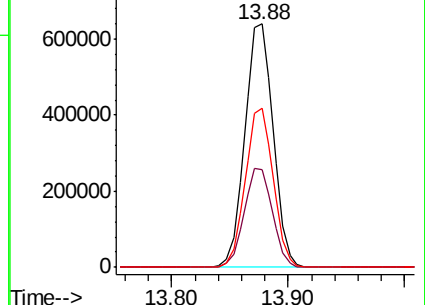
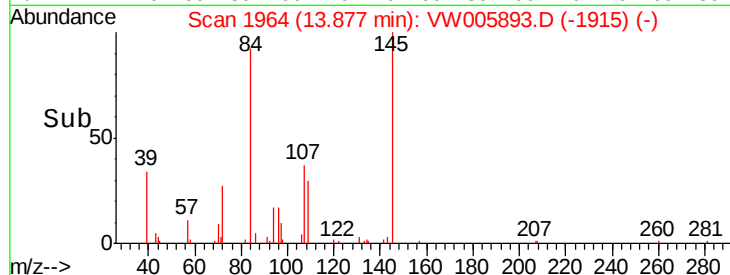
148 64.5 32.5 97.4



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: 146.778 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005893.D

Acq: 08 Oct 2018 13:32

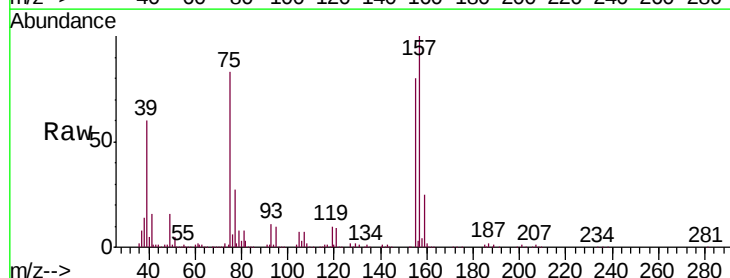
Tgt Ion: 75 Resp: 79839

Ion Ratio Lower Upper

75 100

155 91.1 44.8 134.3

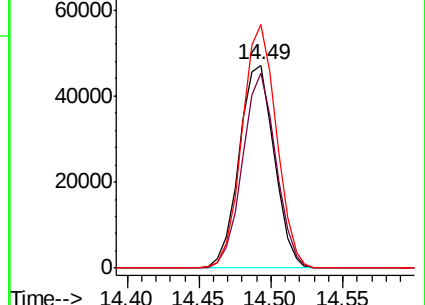
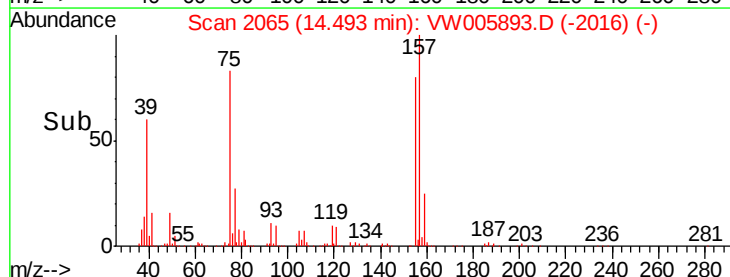
157 117.0 58.9 176.6

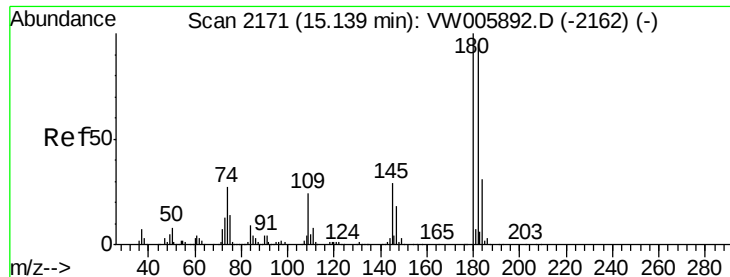


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

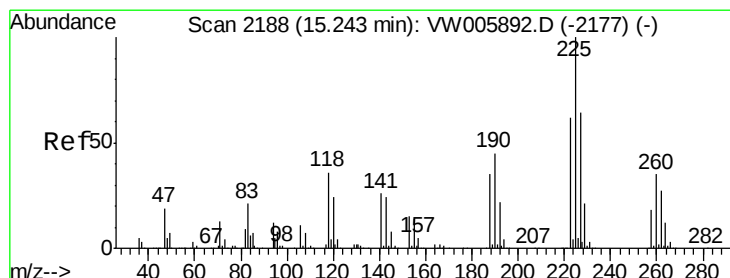
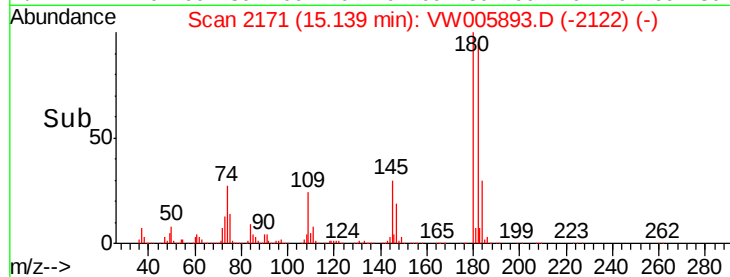
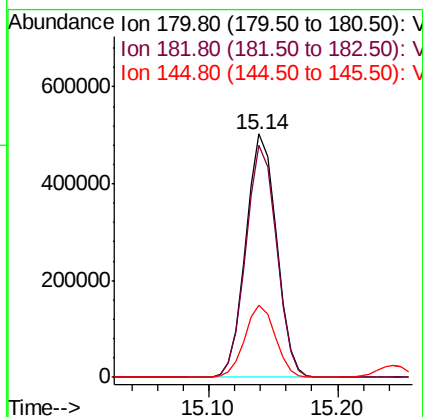
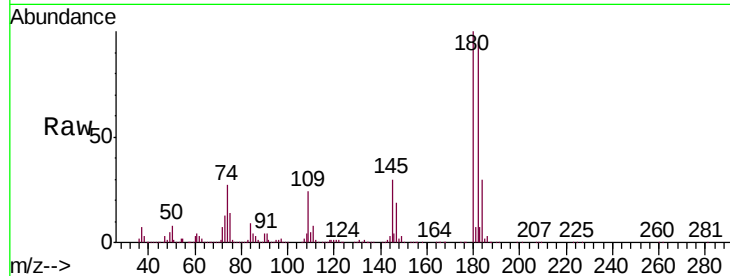




#93
 1,2,4-Trichlorobenzene
 Concen: 143.460 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

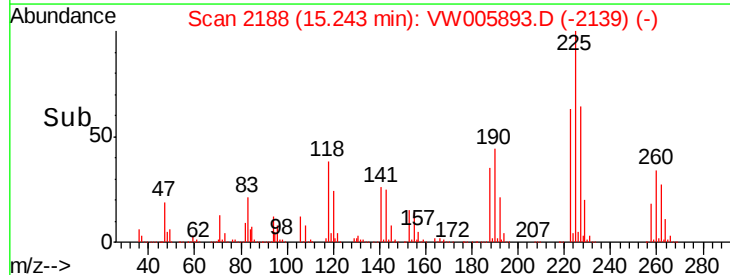
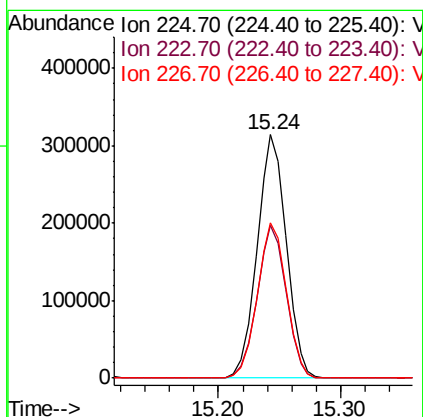
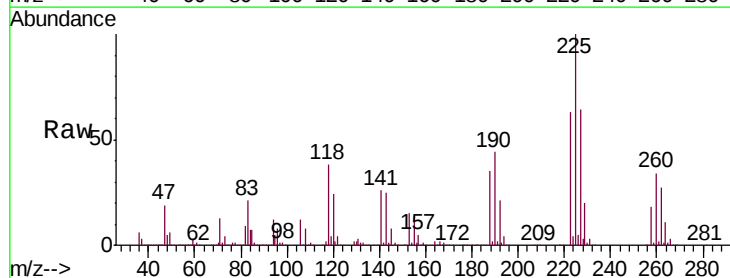
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

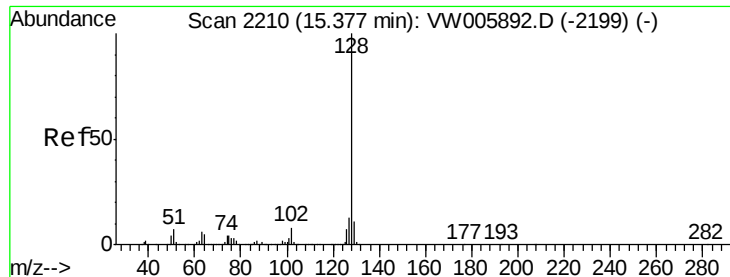
Tgt Ion:180 Resp: 827764
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.8 143.3
 145 29.4 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 144.745 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005893.D
 Acq: 08 Oct 2018 13:32

Tgt Ion:225 Resp: 521305
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.2 93.6
 227 63.8 31.9 95.9

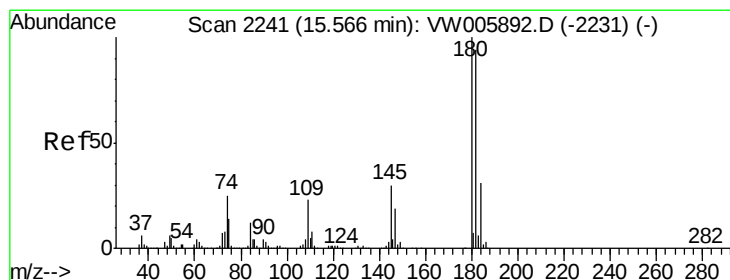
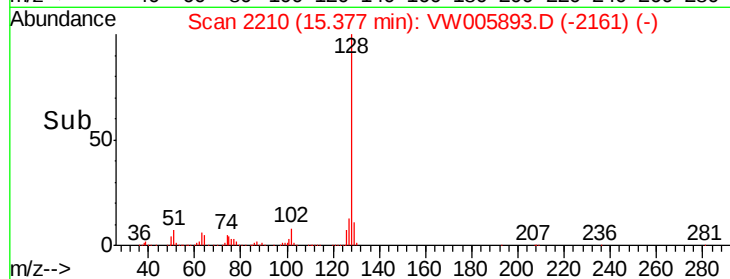
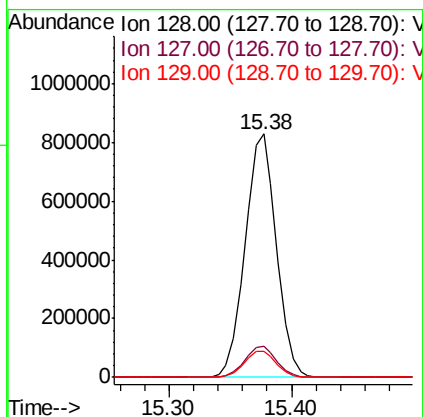
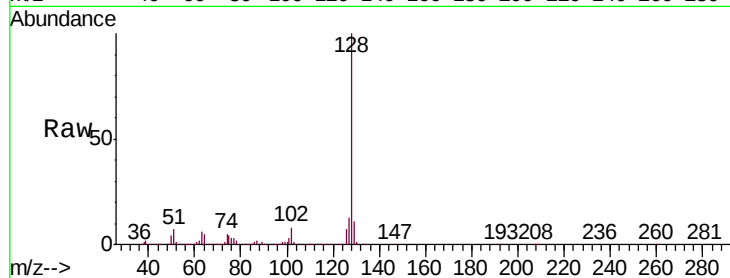




#95
Naphthalene
Concen: 147.443 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1466418
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 144.780 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005893.D
Acq: 08 Oct 2018 13:32

Tgt Ion:180 Resp: 723333
Ion Ratio Lower Upper
180 100
182 95.3 47.6 142.8
145 30.9 15.3 45.9

