

Data File : VW008985.D
Acq On : 05 Mar 2019 02:51
Operator : SY/VA
Sample : K1715-11
Misc : 5.57G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-5-A

Quant Time: Mar 05 06:35:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119831	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	121394	57.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.06%	
35) Dibromofluoromethane	7.88	113	100150	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	10.32	98	404094	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.62	95	125688	40.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.76%	

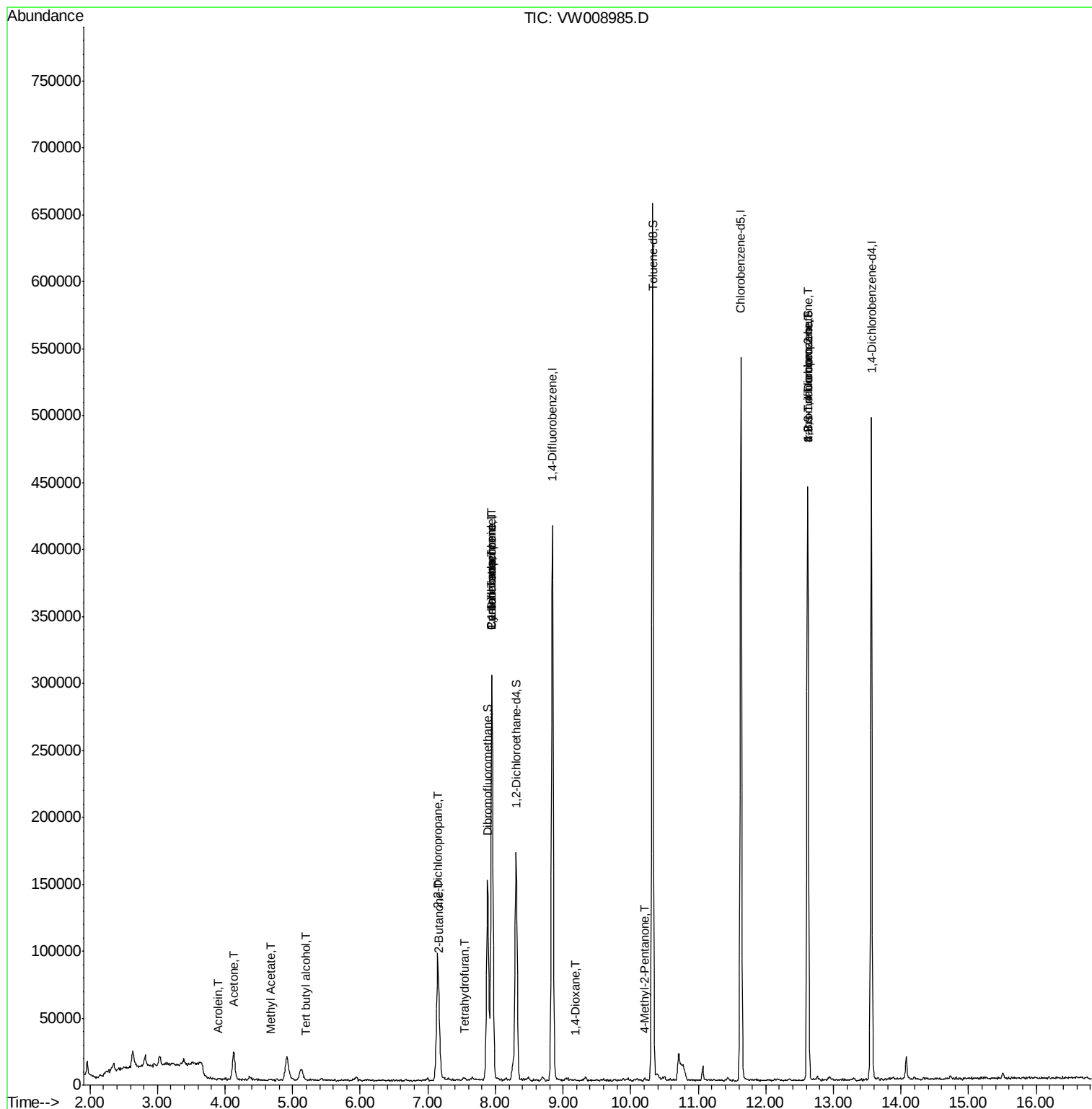
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.20	59	345	1.821	ug/l	99
13) Acrolein	3.89	56	79	20.144	ug/l #	1
16) Acetone	4.13	43	37426	75.860	ug/l	99
18) Methyl Acetate	4.68	43	1605	1.372	ug/l #	61
25) 2-Butanone	7.17	43	12773	18.518	ug/l #	86
26) 2,2-Dichloropropane	7.15	77	6100	1.695	ug/l #	54
29) Tetrahydrofuran	7.53	42	723	1.645	ug/l #	72
31) Cyclohexane	7.95	56	5750	1.433	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	17524	5.314	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21235	6.106	ug/l #	17
49) 1,4-Dioxane	9.18	88	52	2.624	ug/l #	25
51) 4-Methyl-2-Pentanone	10.21	43	1598	1.028	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	67220	67.943	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67220	165.174	ug/l #	6

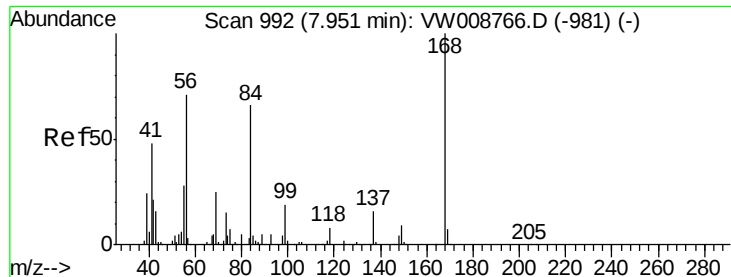
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008985.D

Acq: 05 Mar 2019 02:51

Instrument :

MSVOA_W

ClientSampleId :

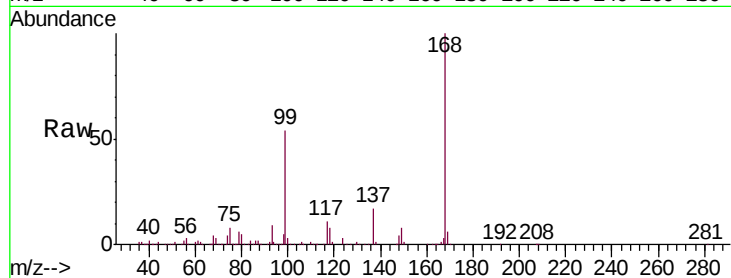
TP-5-A

Tgt Ion:168 Resp: 226935

Ion Ratio Lower Upper

168 100

99 53.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

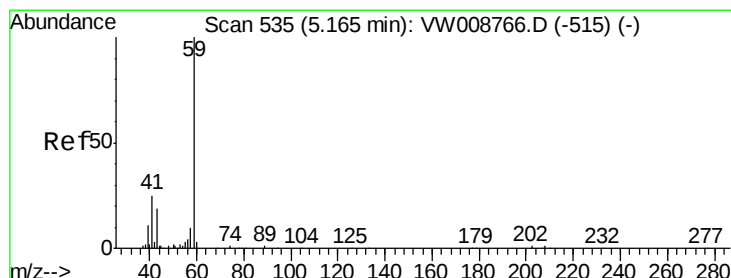
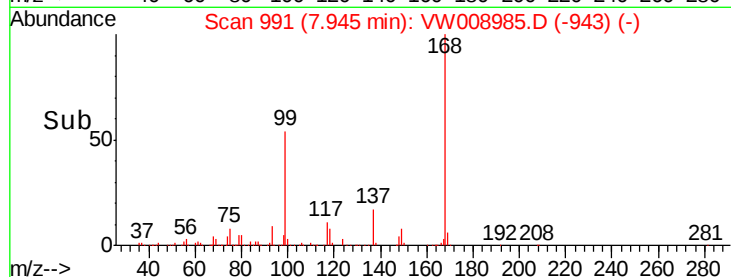
20000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.821 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.03 min

Lab File: VW008985.D

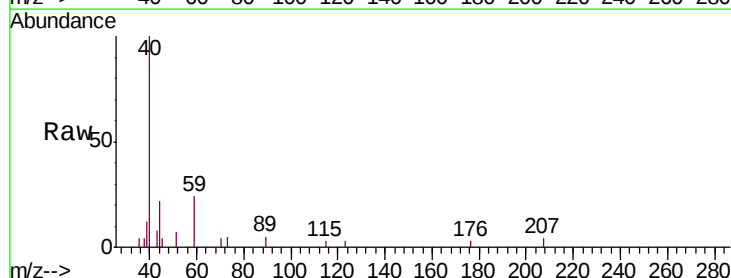
Acq: 05 Mar 2019 02:51

Tgt Ion: 59 Resp: 345

Ion Ratio Lower Upper

59 100

57 12.2 9.3 13.9



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

800

600

400

200

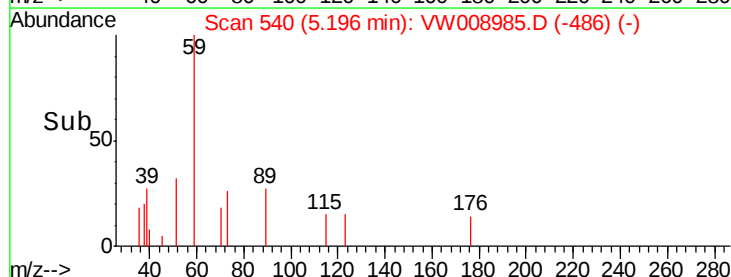
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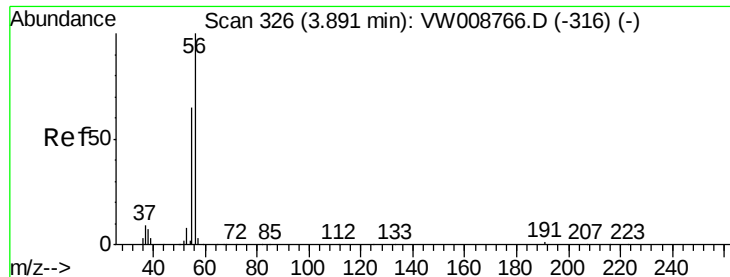
5.18

5.20

5.22

Time-->





#13

Acrolein

Concen: 20.144 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008985.D

Acq: 05 Mar 2019 02:51

Instrument :

MSVOA_W

ClientSampleId :

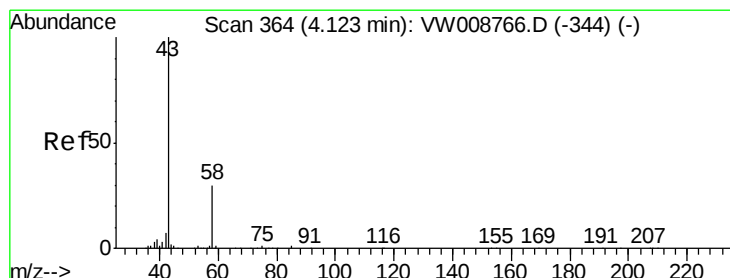
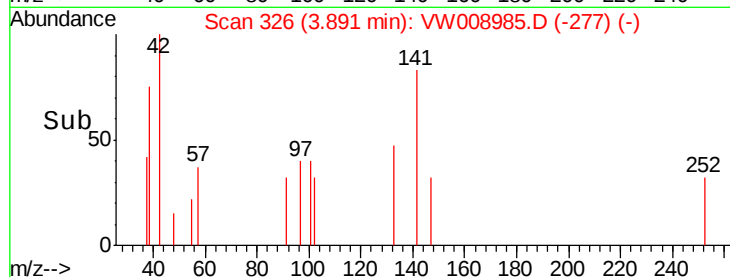
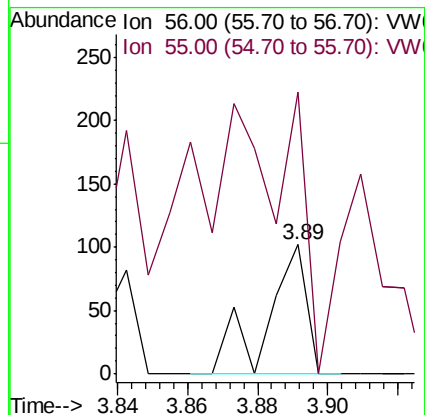
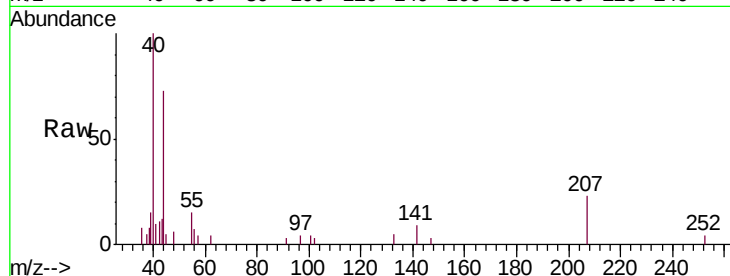
TP-5-A

Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 474.7 56.9 85.3#



#16

Acetone

Concen: 75.860 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008985.D

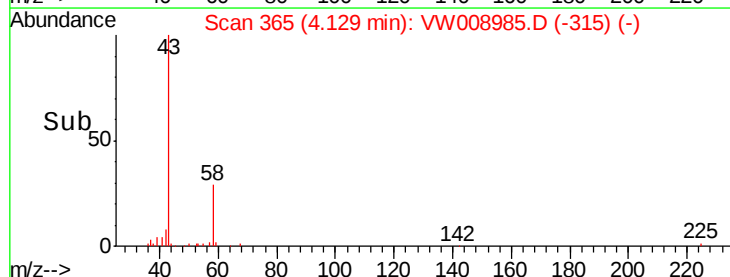
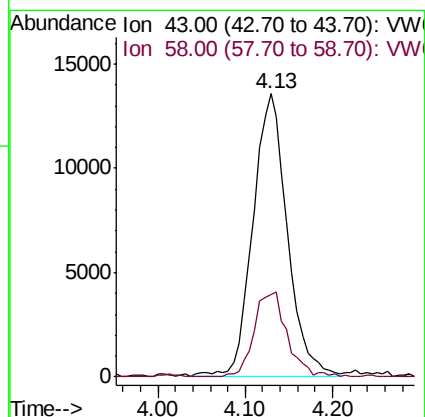
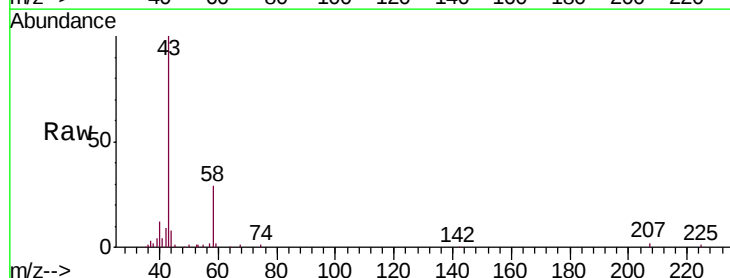
Acq: 05 Mar 2019 02:51

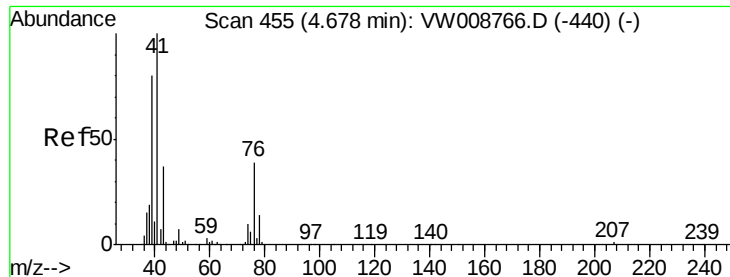
Tgt Ion: 43 Resp: 37426

Ion Ratio Lower Upper

43 100

58 28.9 23.8 35.6

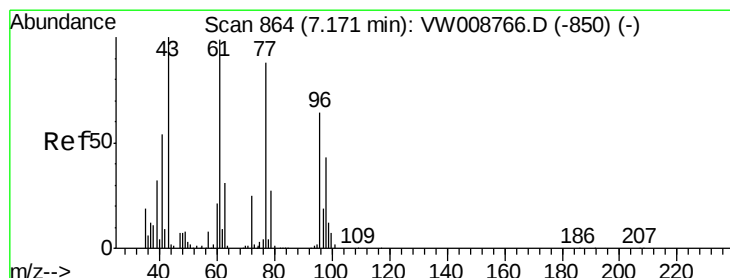
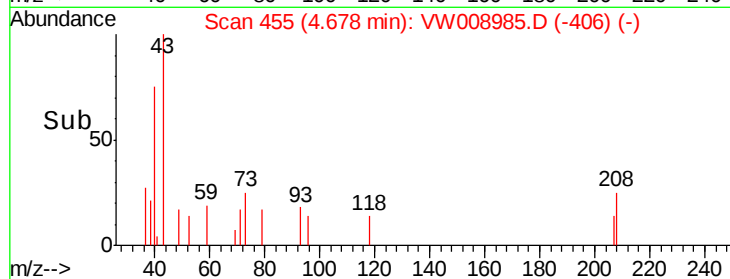
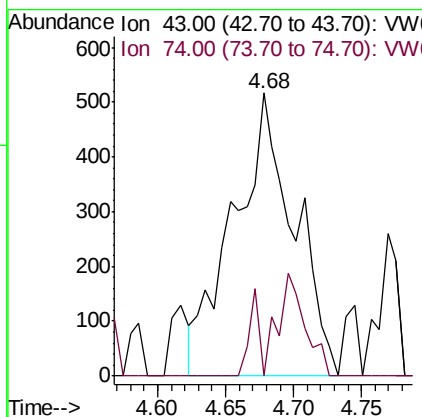
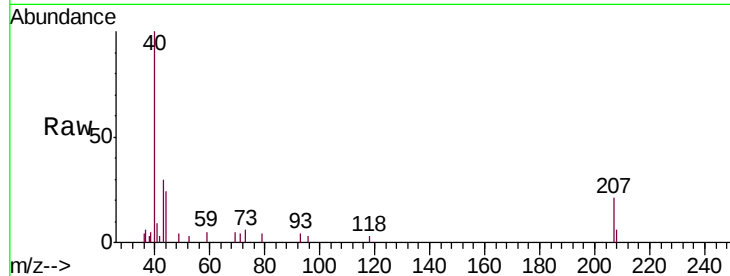




#18
Methyl Acetate
Concen: 1.372 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

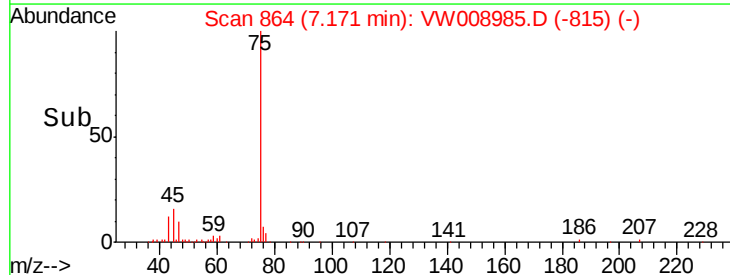
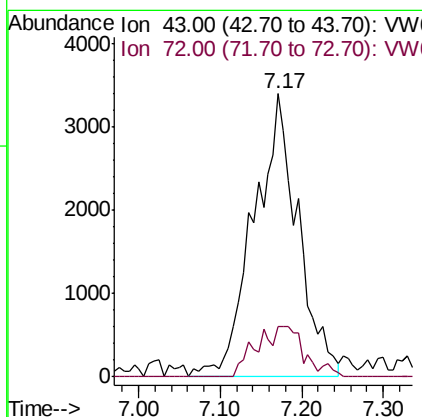
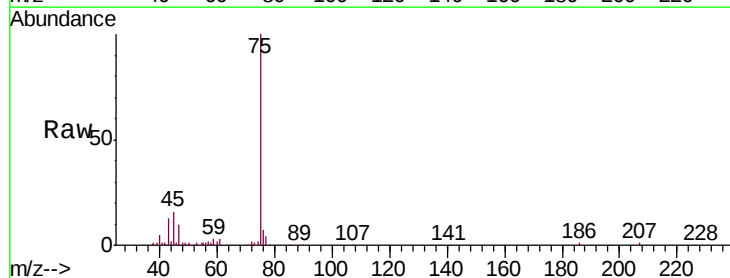
Instrument :
MSVOA_W
ClientSampled :
TP-5-A

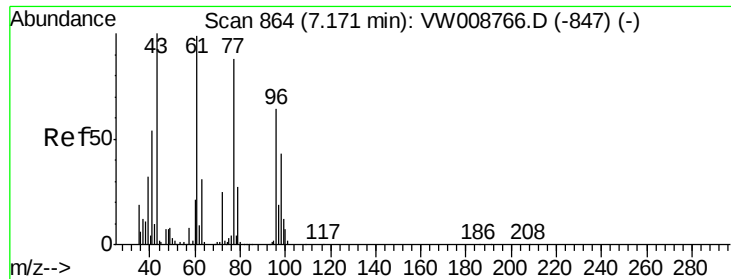
Tgt Ion: 43 Resp: 1605
Ion Ratio Lower Upper
43 100
74 4.9 19.4 29.2#



#25
2-Butanone
Concen: 18.518 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

Tgt Ion: 43 Resp: 12773
Ion Ratio Lower Upper
43 100
72 17.8 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 1.695 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008985.D

Acq: 05 Mar 2019 02:51

Instrument :

MSVOA_W

ClientSampleId :

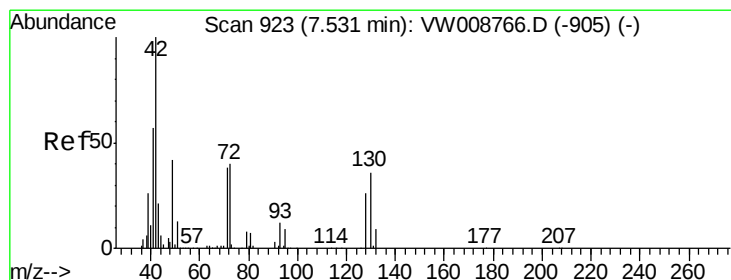
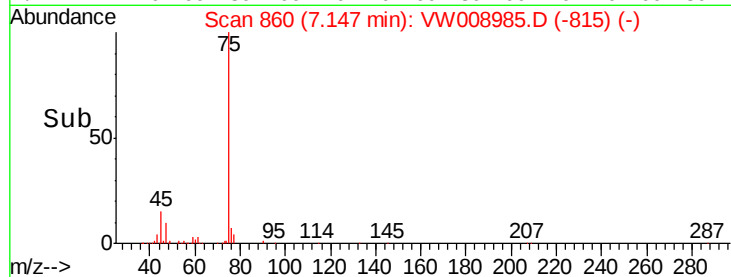
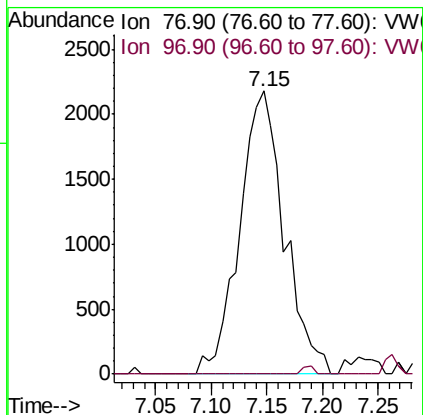
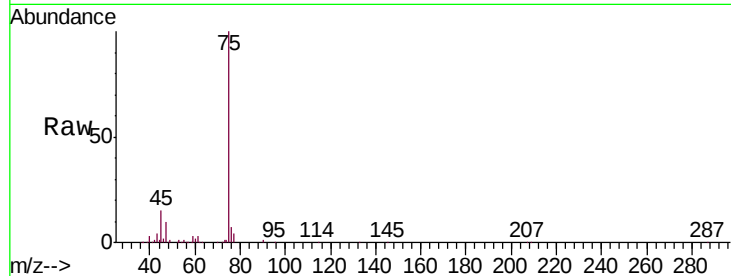
TP-5-A

Tgt Ion: 77 Resp: 6100

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



#29

Tetrahydrofuran

Concen: 1.645 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008985.D

Acq: 05 Mar 2019 02:51

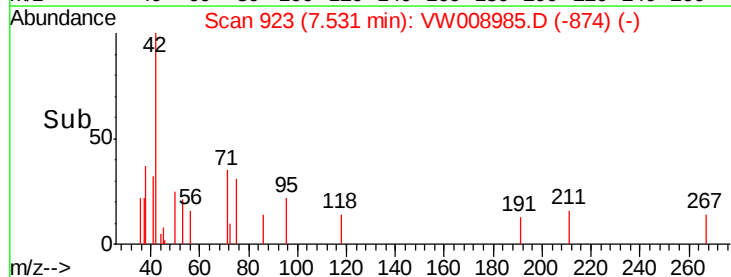
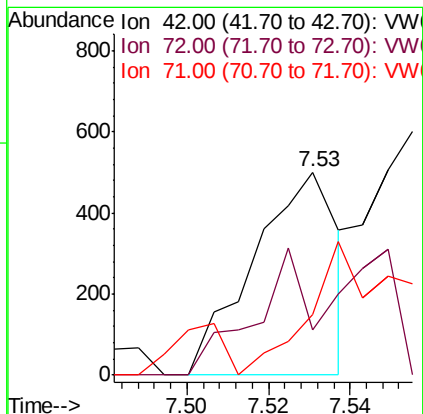
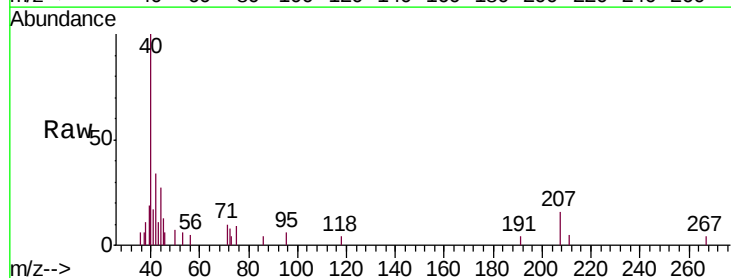
Tgt Ion: 42 Resp: 723

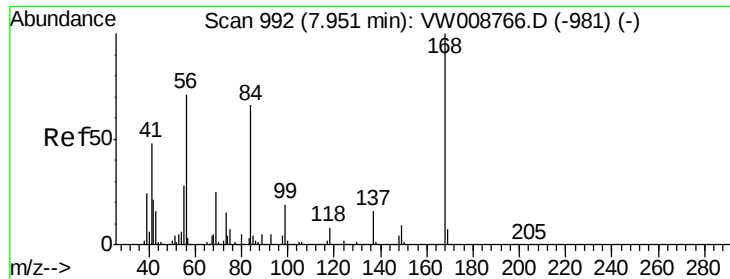
Ion Ratio Lower Upper

42 100

72 39.0 32.7 49.1

71 72.1 31.3 46.9#

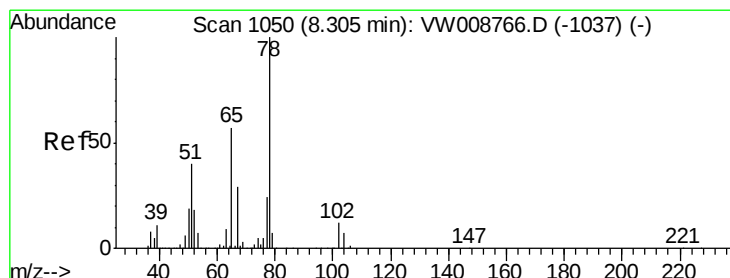
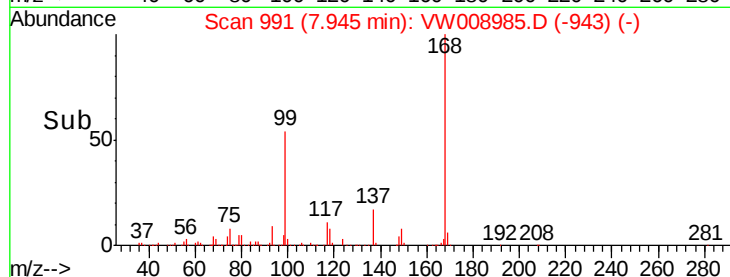
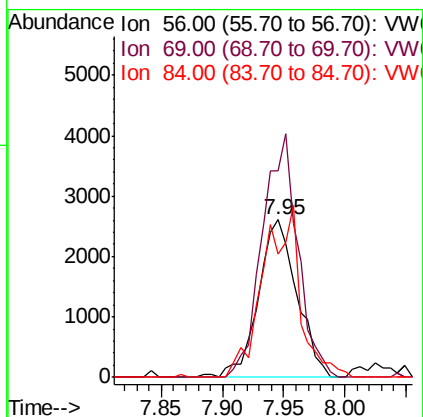
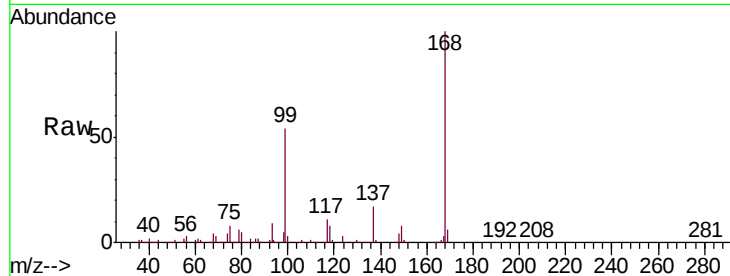




#31
Cyclohexane
Concen: 1.433 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

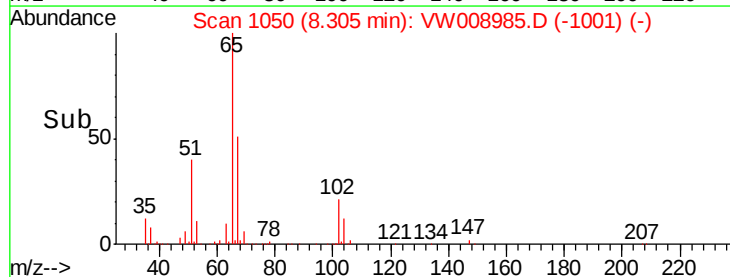
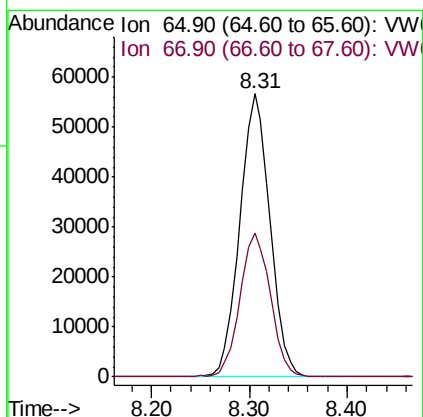
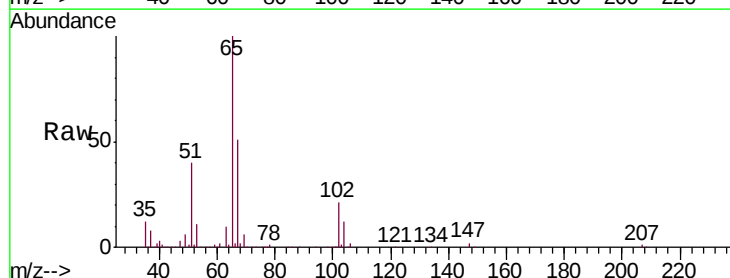
Instrument :
MSVOA_W
ClientSampled :
TP-5-A

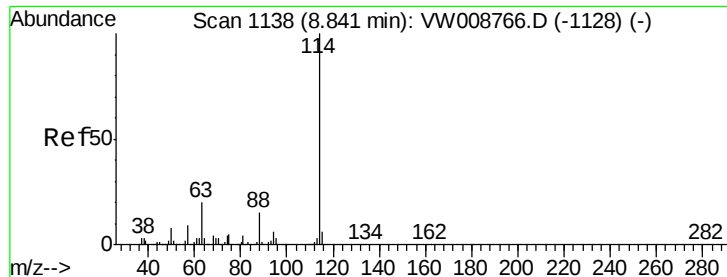
Tgt Ion: 56 Resp: 5750
Ion Ratio Lower Upper
56 100
69 131.5 28.2 42.4#
84 78.2 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 57.034 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

Tgt Ion: 65 Resp: 121394
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.4

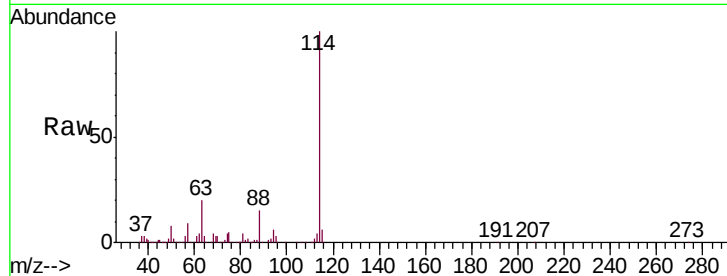




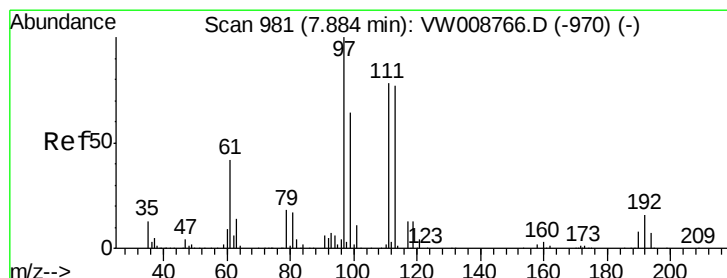
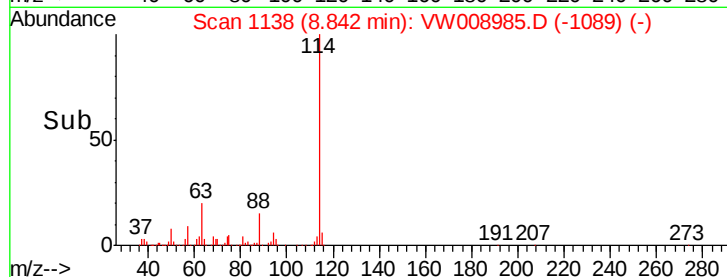
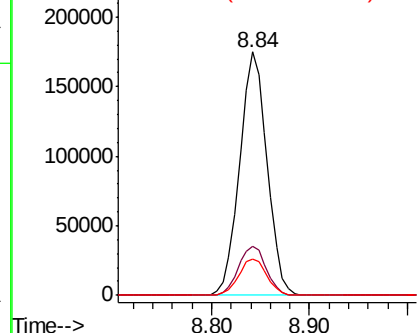
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

Instrument :
MSVOA_W
ClientSampleId :
TP-5-A

Tgt Ion:114 Resp: 338771
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 14.9 0.0 30.4

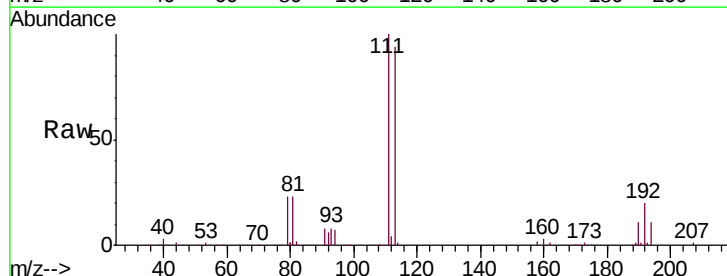


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

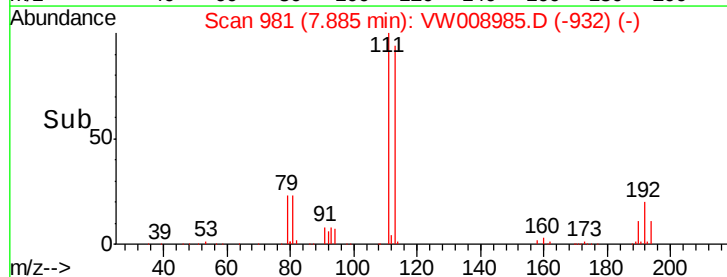
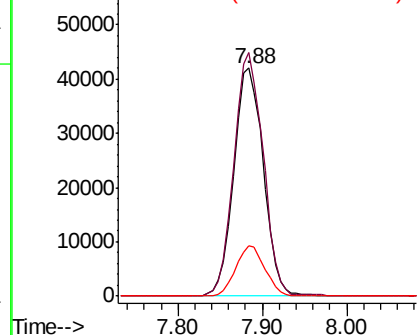


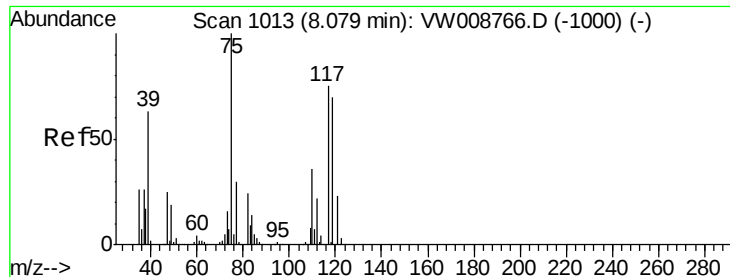
#35
Dibromofluoromethane
Concen: 49.238 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

Tgt Ion:113 Resp: 100150
Ion Ratio Lower Upper
113 100
111 105.6 81.9 122.9
192 21.5 17.1 25.7



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

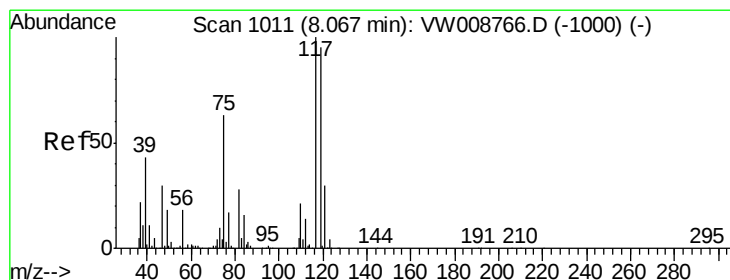
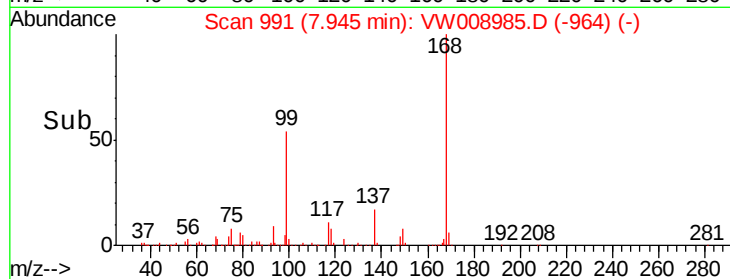
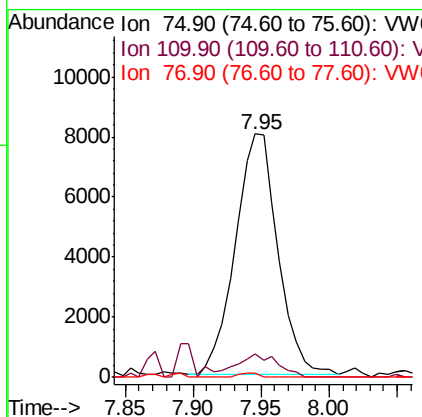
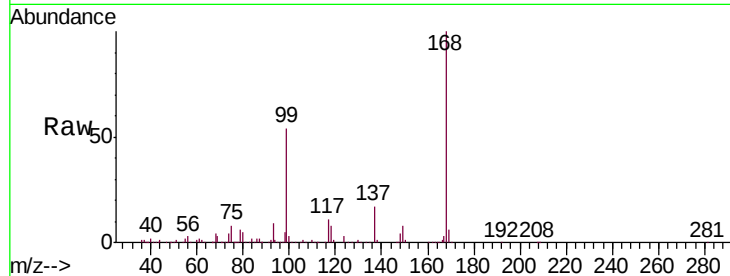




#36
 1,1-Dichloropropene
 Concen: 5.314 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008985.D
 Acq: 05 Mar 2019 02:51

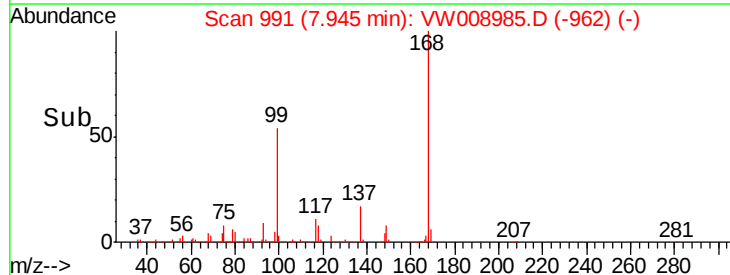
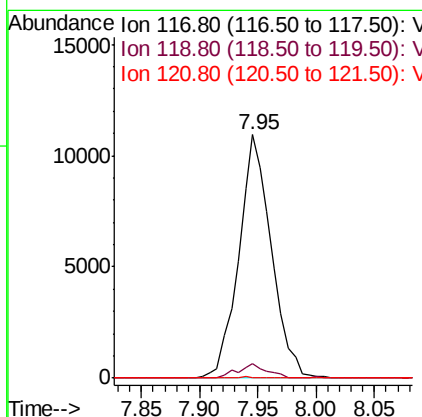
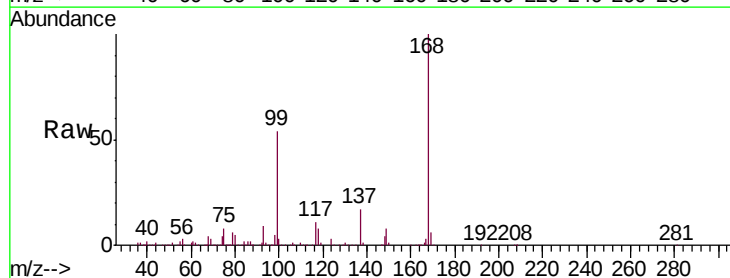
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-A

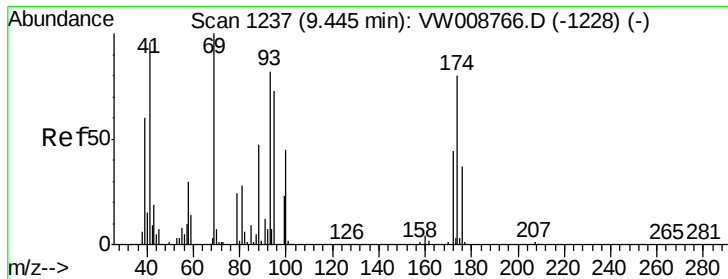
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.5	52.6#
77	0.7	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.106 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008985.D
 Acq: 05 Mar 2019 02:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.1	114.1#
121	0.0	24.0	36.0#

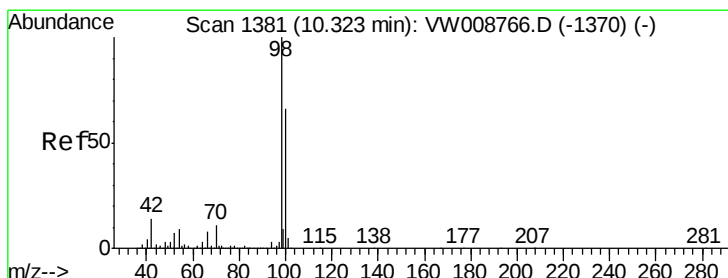
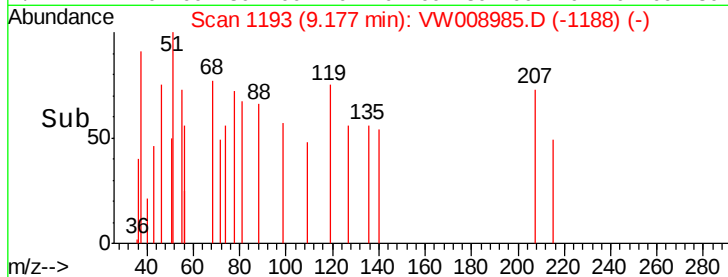
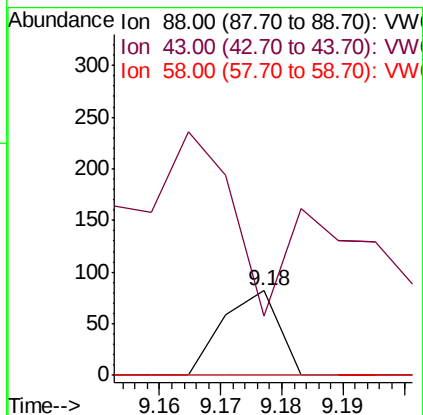
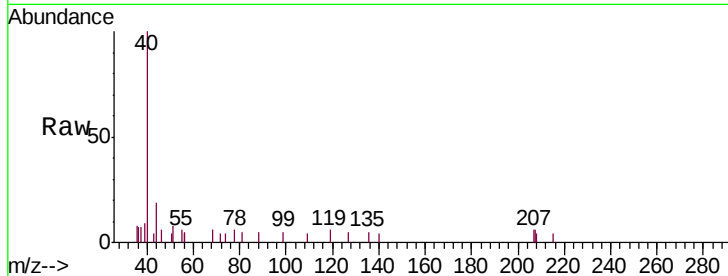




#49
1,4-Dioxane
Concen: 2.624 ug/l
RT: 9.18 min Scan# 1193
Delta R.T. -0.27 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

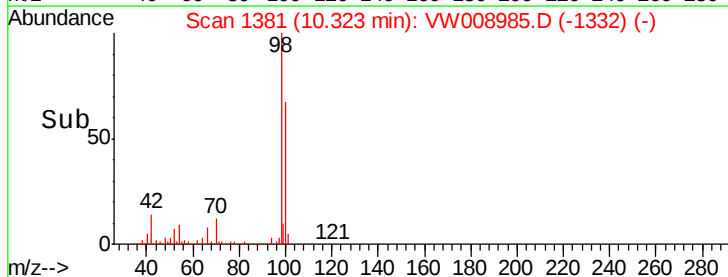
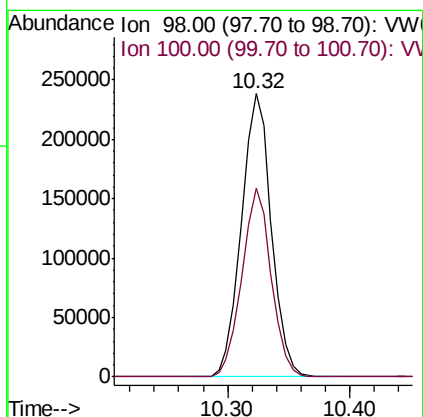
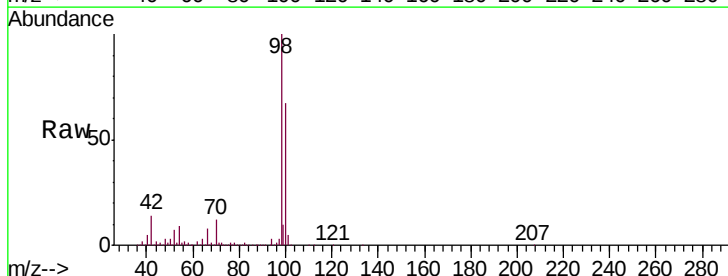
Instrument :
MSVOA_W
ClientSampled :
TP-5-A

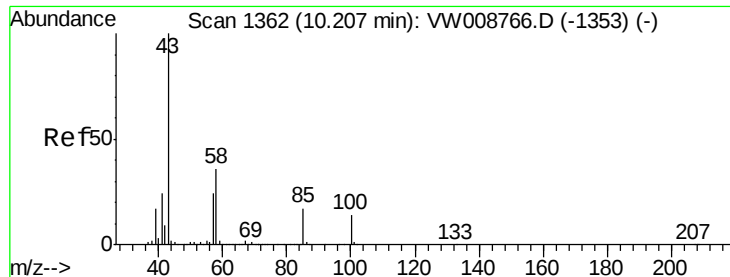
Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 0.0 52.0 78.0#



#50
Toluene-d8
Concen: 51.464 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

Tgt Ion: 98 Resp: 404094
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6

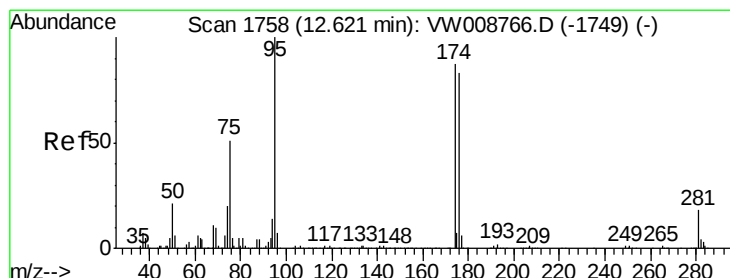
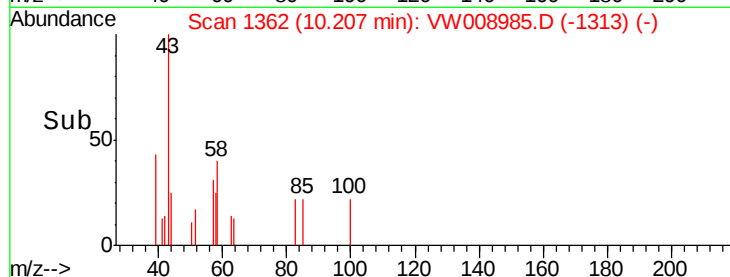
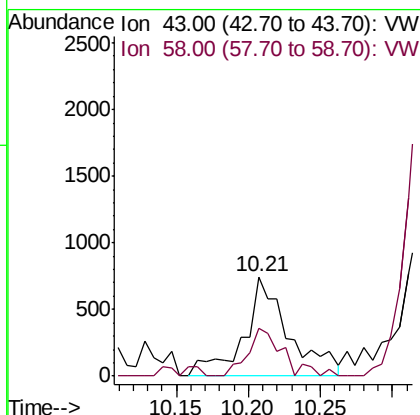
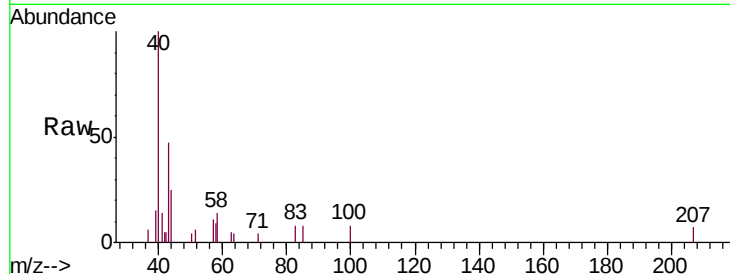




#51
 4-Methyl-2-Pentanone
 Concen: 1.028 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW008985.D
 Acq: 05 Mar 2019 02:51

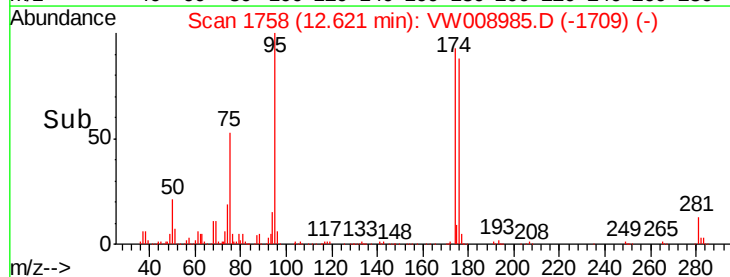
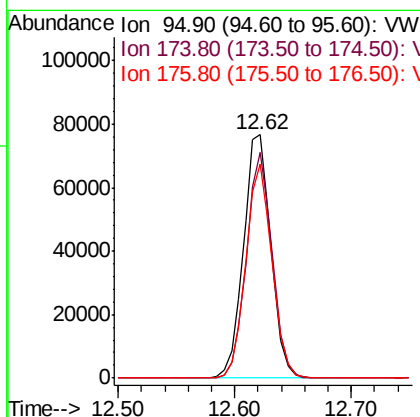
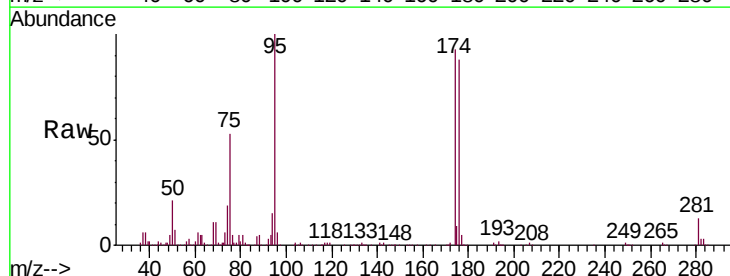
Instrument :
 MSVOA_W
 ClientSampleID :
 TP-5-A

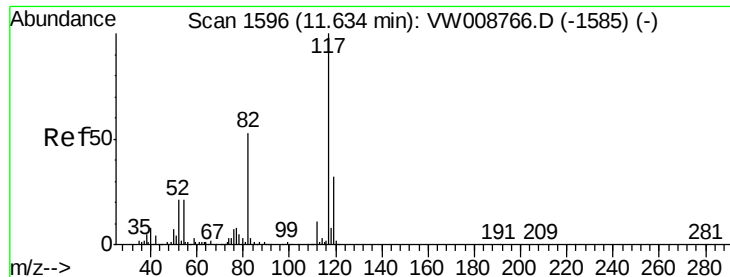
Tgt Ion: 43 Resp: 1598
 Ion Ratio Lower Upper
 43 100
 58 38.0 29.1 43.7



#62
 4-Bromofluorobenzene
 Concen: 40.883 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008985.D
 Acq: 05 Mar 2019 02:51

Tgt Ion: 95 Resp: 125688
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 169.2
 176 84.0 0.0 163.6

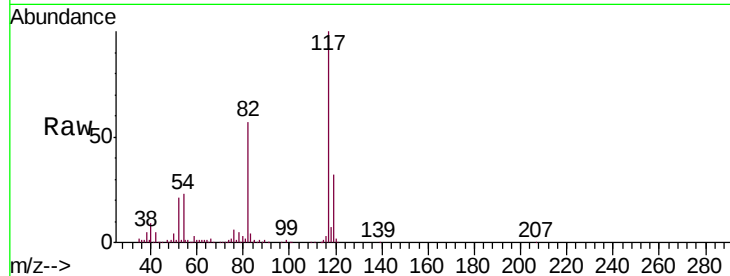




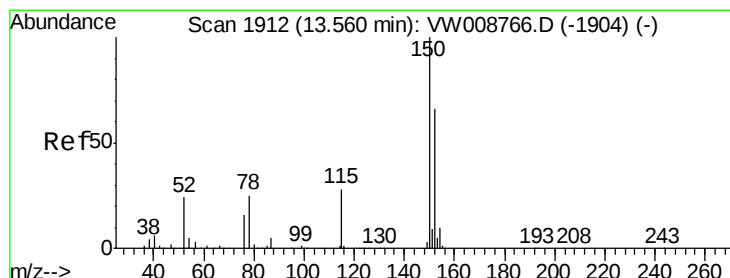
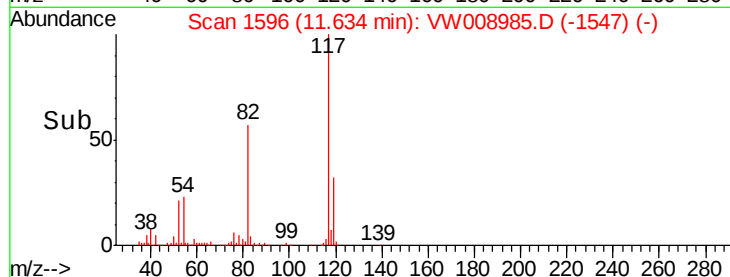
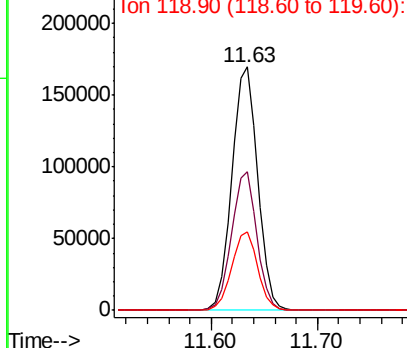
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

Instrument :
MSVOA_W
ClientSampleId :
TP-5-A

Tgt Ion:117 Resp: 288273
Ion Ratio Lower Upper
117 100
82 56.7 42.2 63.4
119 32.3 25.9 38.9

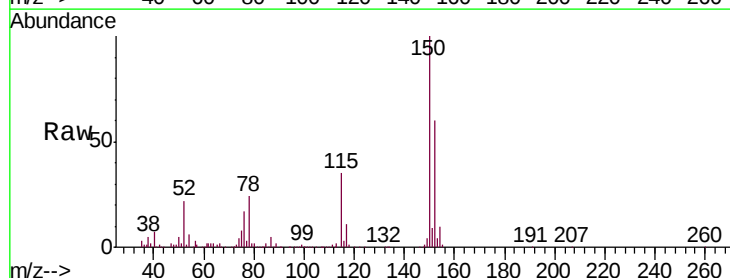


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

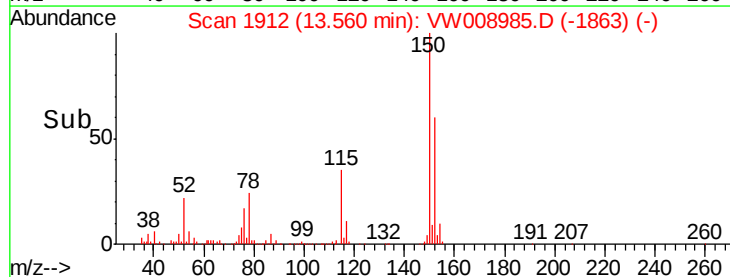
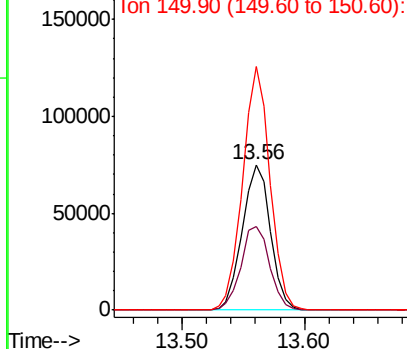


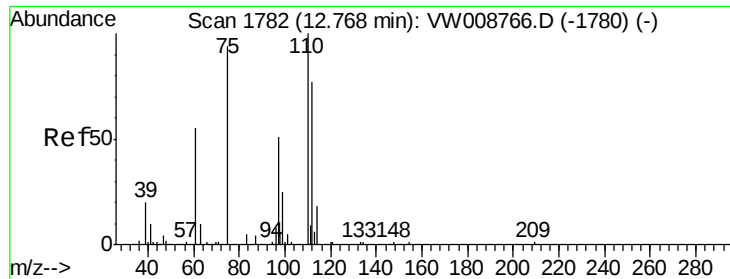
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008985.D
Acq: 05 Mar 2019 02:51

Tgt Ion:152 Resp: 119831
Ion Ratio Lower Upper
152 100
115 58.8 28.6 85.8
150 162.2 0.0 348.0



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





#76

1,2,3-Trichloropropane

Concen: 67.943 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008985.D

Acq: 05 Mar 2019 02:51

Instrument :

MSVOA_W

ClientSampleId :

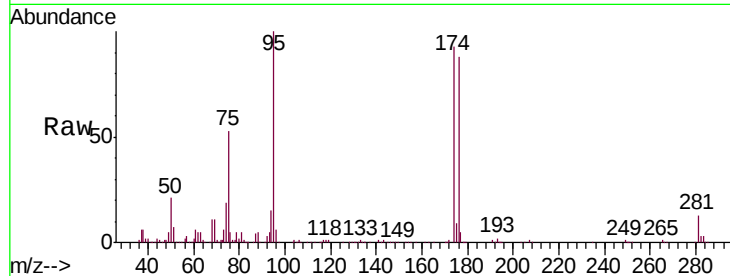
TP-5-A

Tgt Ion: 75 Resp: 67220

Ion Ratio Lower Upper

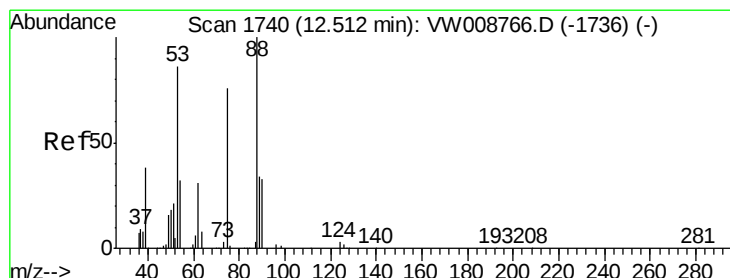
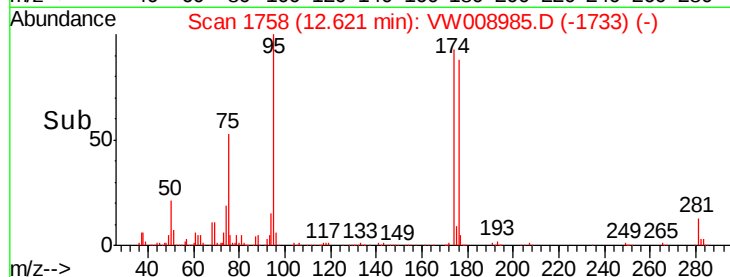
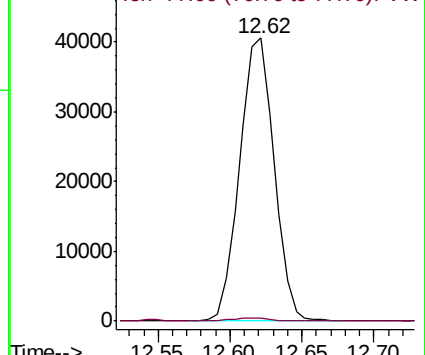
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 165.174 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008985.D

Acq: 05 Mar 2019 02:51

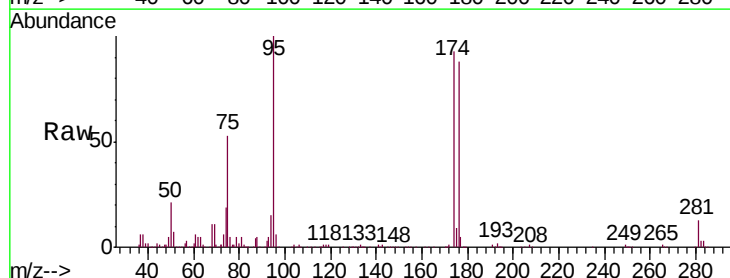
Tgt Ion: 75 Resp: 67220

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.3 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

