

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091218\
 Data File : VW005332.D
 Acq On : 12 Sep 2018 18:05
 Operator : SY/AP
 Sample : J4838-05
 Misc : 4.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1B-G-090718-2

Quant Time: Sep 13 01:00:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	459738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	689830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	676377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	345650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	150907	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	
35) Dibromofluoromethane	7.89	113	142606	39.46	ug/l	0.00
Spiked Amount			Recovery	=	78.92%	
50) Toluene-d8	10.33	98	649299	35.56	ug/l	0.00
Spiked Amount			Recovery	=	71.12%	
62) 4-Bromofluorobenzene	12.63	95	231719	34.69	ug/l	0.00
Spiked Amount			Recovery	=	69.38%	

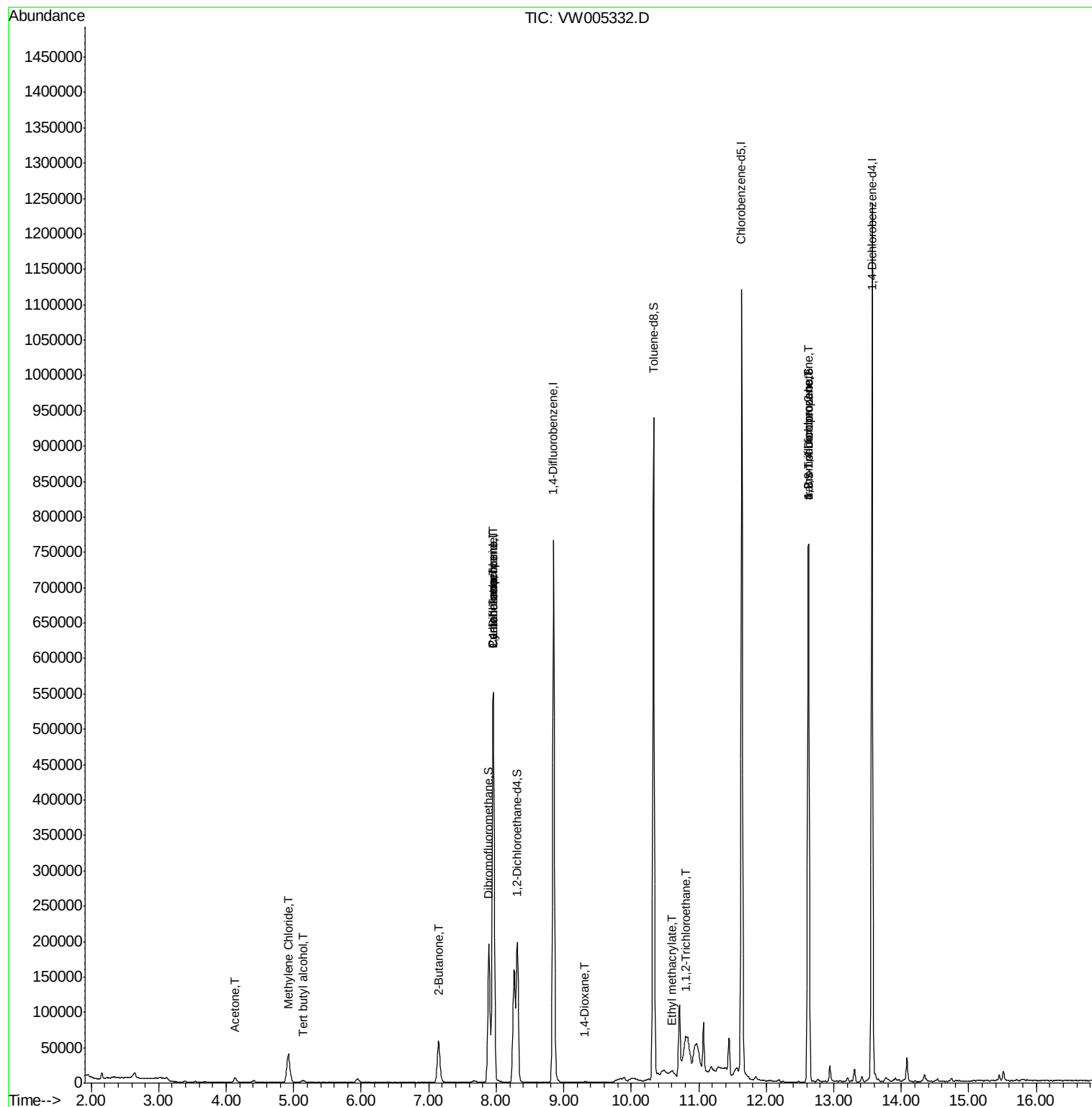
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	572	Below Cal	#	38
11) Tert butyl alcohol	5.13	59	2116	7.525	ug/l #	73
16) Acetone	4.13	43	12490	19.624	ug/l #	80
20) Methylene Chloride	4.92	84	34872	4.367	ug/l	94
25) 2-Butanone	7.14	43	2127	2.119	ug/l #	65
31) Cyclohexane	7.96	56	7512	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	30316	4.797	ug/l #	48
38) Carbon Tetrachloride	7.96	117	39589	6.687	ug/l #	17
49) 1,4-Dioxane	9.32	88	45	1.100	ug/l #	1
55) 1,1,2-Trichloroethane	10.81	97	5506	1.576	ug/l #	16
56) Ethyl methacrylate	10.61	69	7203	1.627	ug/l #	30
76) 1,2,3-Trichloropropane	12.63	75	106401	40.022	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	106401	93.860	ug/l #	16

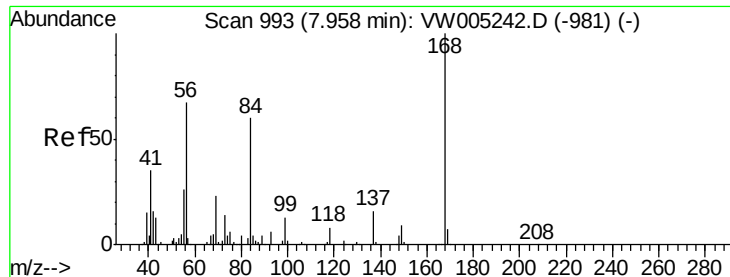
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005332.D

Acq: 12 Sep 2018 18:05

Instrument :

MSVOA_W

ClientSampleId :

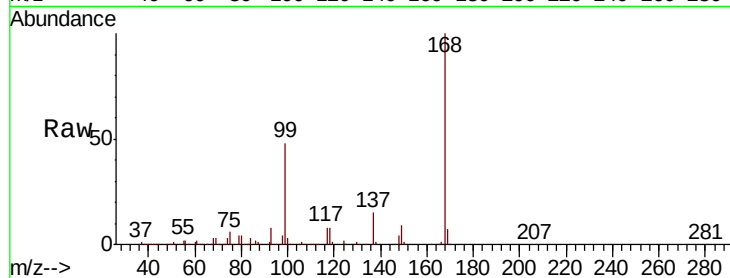
SUP-1B-G-090718-2

Tgt Ion:168 Resp: 459738

Ion Ratio Lower Upper

168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

100000

50000

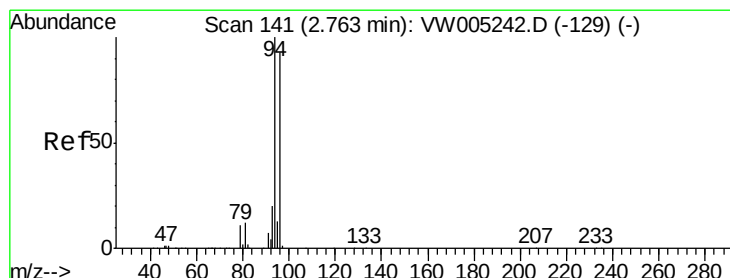
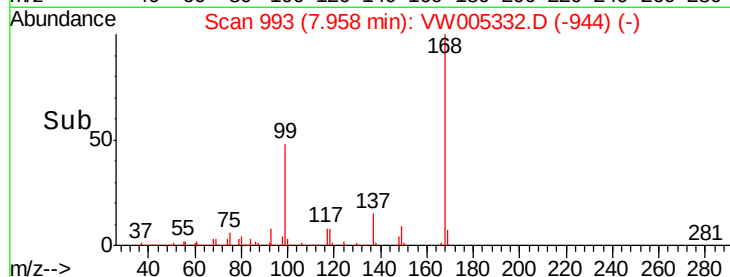
0

7.90

8.00

8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW005332.D

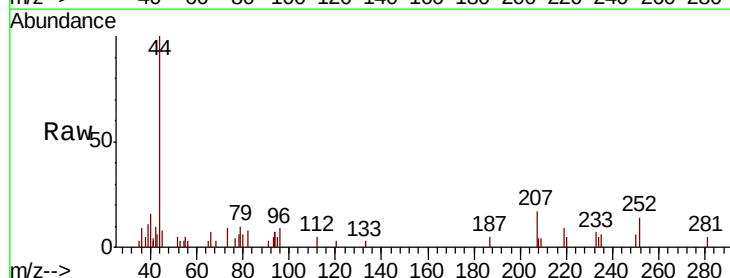
Acq: 12 Sep 2018 18:05

Tgt Ion: 94 Resp: 572

Ion Ratio Lower Upper

94 100

96 33.1 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

300

250

200

150

100

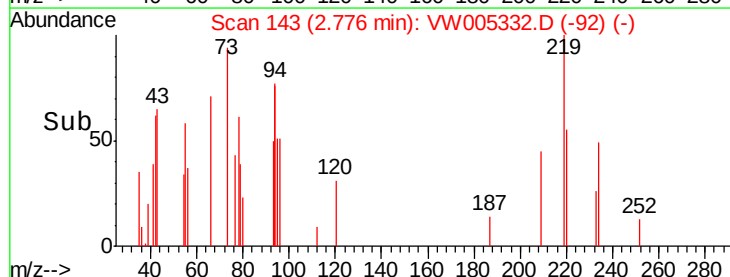
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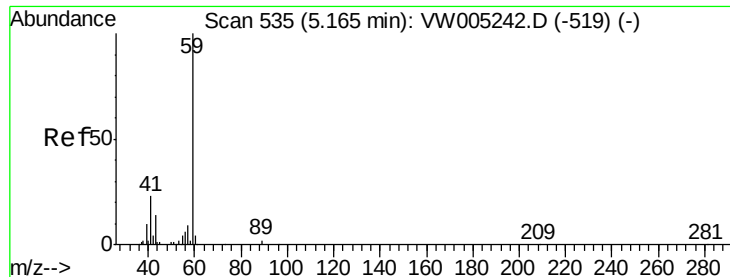
0

2.75

2.80

Time-->

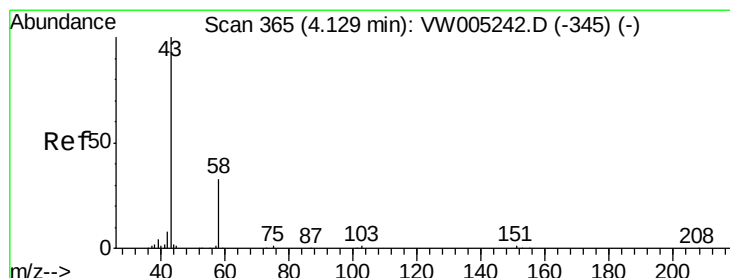
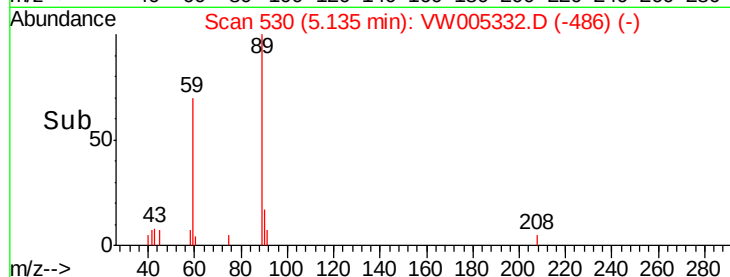
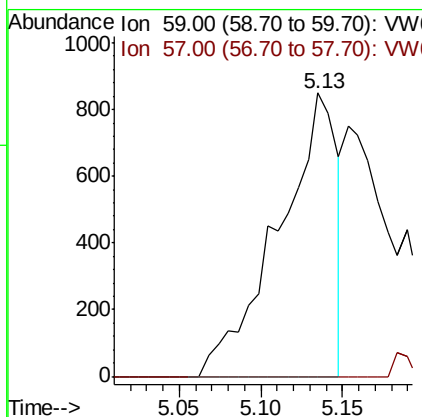
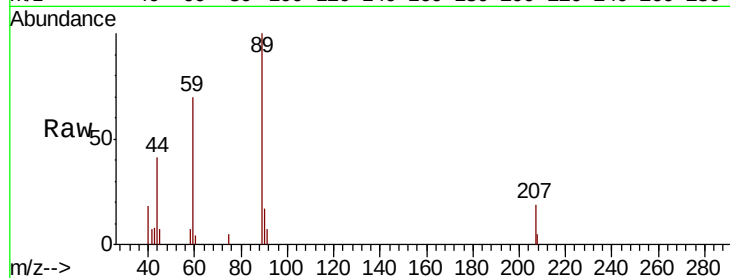




#11
Tert butyl alcohol
Concen: 7.525 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.03 min
Lab File: VW005332.D
Acq: 12 Sep 2018 18:05

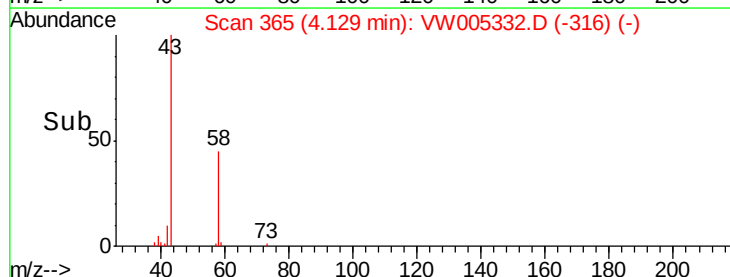
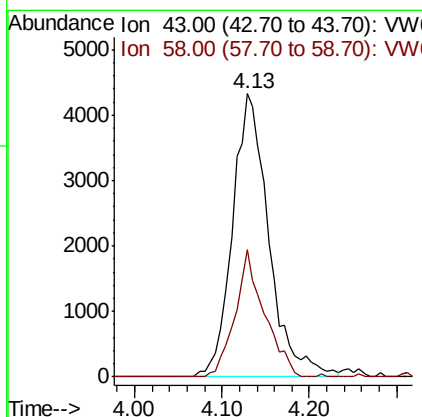
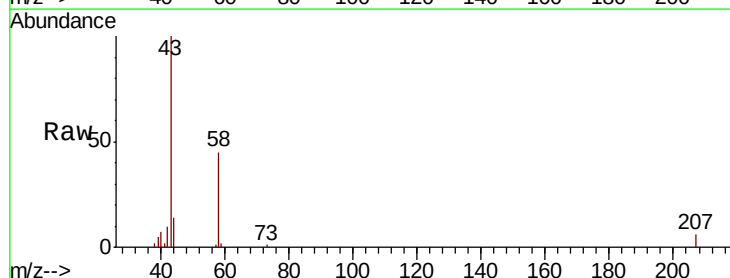
Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-2

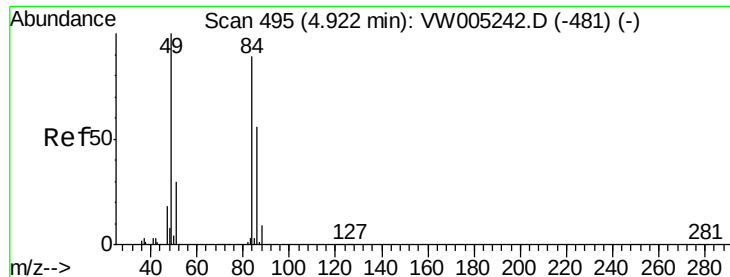
Tgt Ion: 59 Resp: 2116
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 19.624 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.00 min
Lab File: VW005332.D
Acq: 12 Sep 2018 18:05

Tgt Ion: 43 Resp: 12490
Ion Ratio Lower Upper
43 100
58 44.9 26.7 40.1#

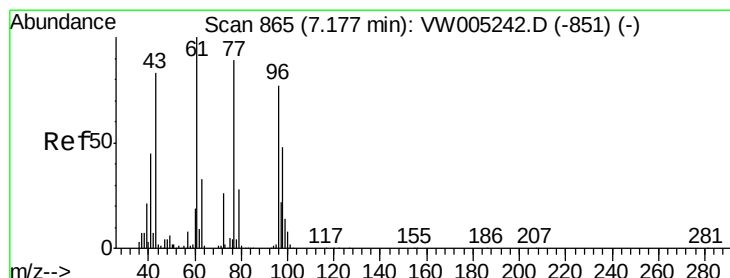
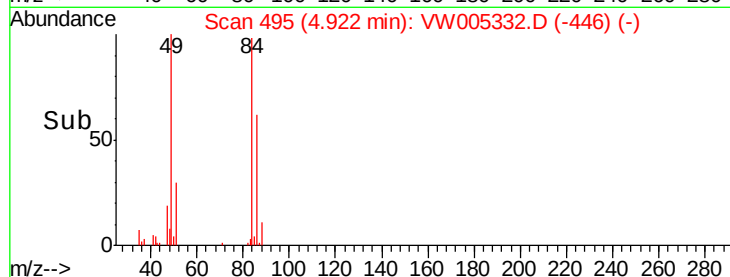
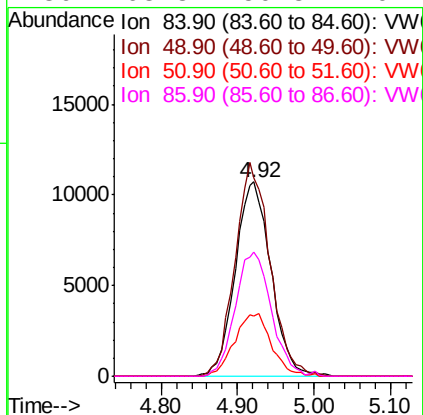
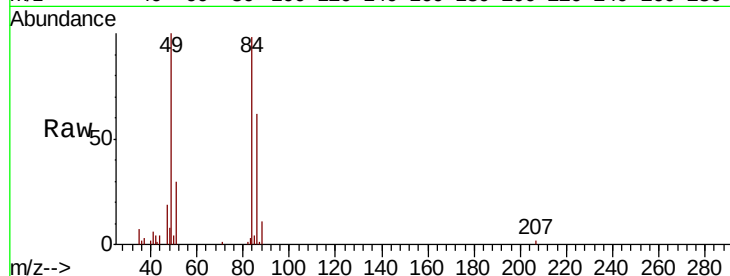




#20
Methylene Chloride
Concen: 4.367 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005332.D
Acq: 12 Sep 2018 18:05

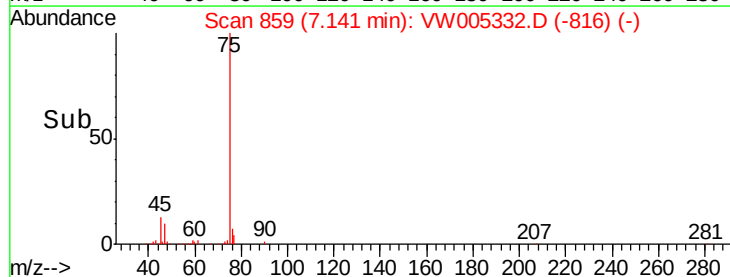
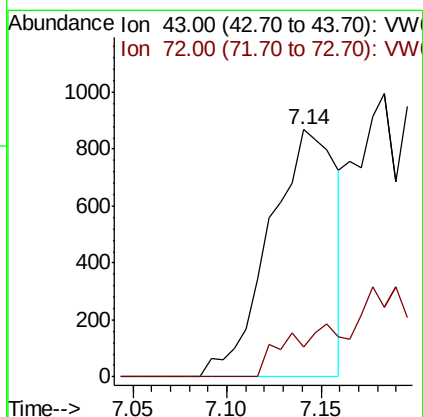
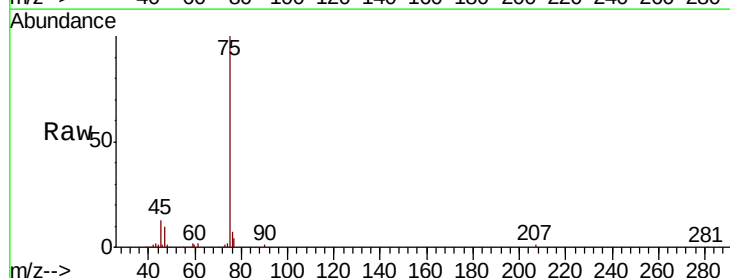
Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-2

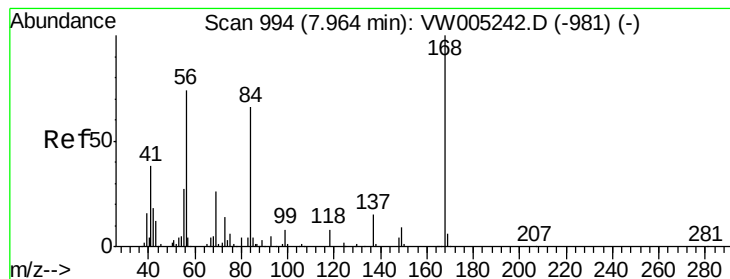
Tgt Ion: 84 Resp: 34872
Ion Ratio Lower Upper
84 100
49 102.3 90.3 135.5
51 31.0 26.9 40.3
86 63.8 50.8 76.2



#25
2-Butanone
Concen: 2.119 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW005332.D
Acq: 12 Sep 2018 18:05

Tgt Ion: 43 Resp: 2127
Ion Ratio Lower Upper
43 100
72 12.2 25.0 37.6#





#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005332.D

Acq: 12 Sep 2018 18:05

Instrument :

MSVOA_W

ClientSampleId :

SUP-1B-G-090718-2

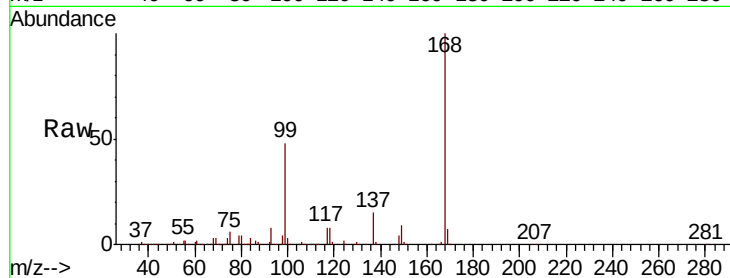
Tgt Ion: 56 Resp: 7512

Ion Ratio Lower Upper

56 100

69 203.9 27.8 41.8#

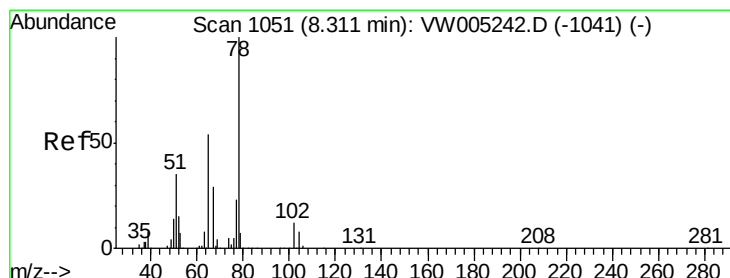
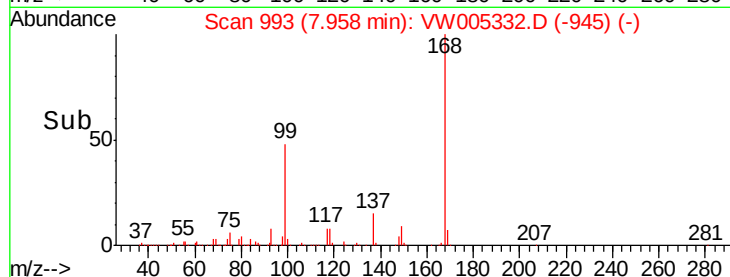
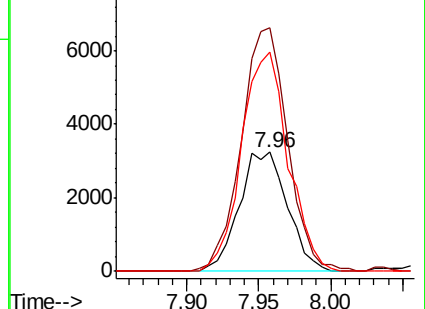
84 183.5 72.1 108.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 44.009 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005332.D

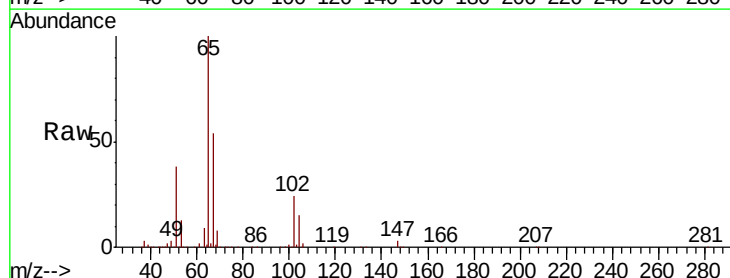
Acq: 12 Sep 2018 18:05

Tgt Ion: 65 Resp: 150907

Ion Ratio Lower Upper

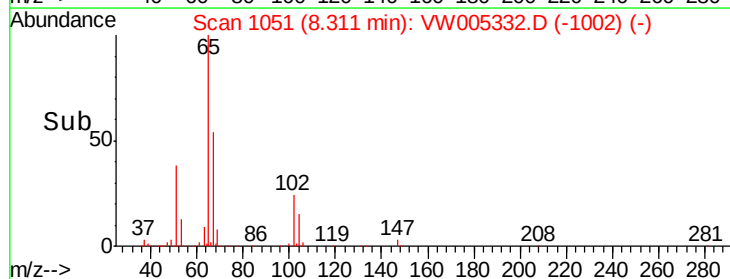
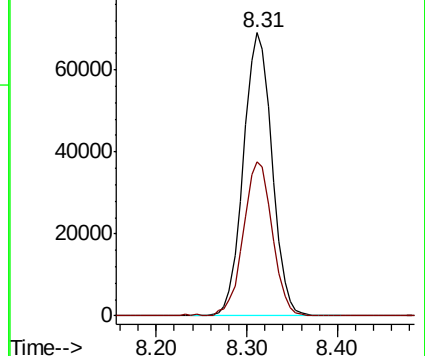
65 100

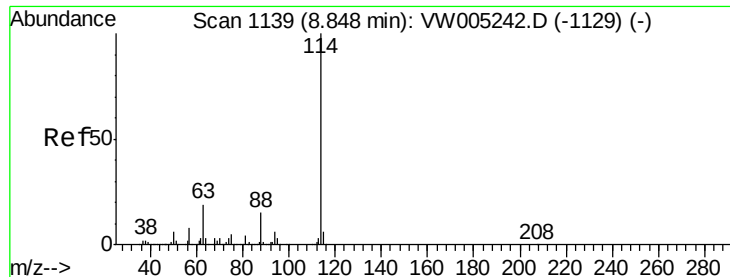
67 55.1 0.0 112.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

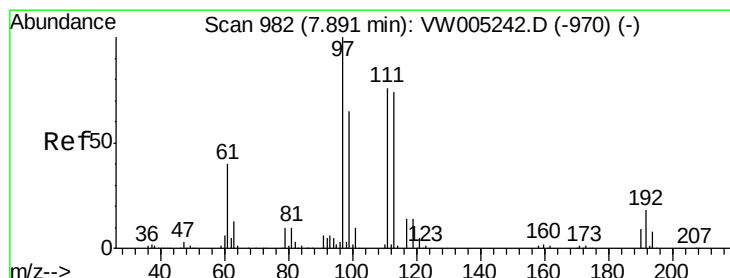
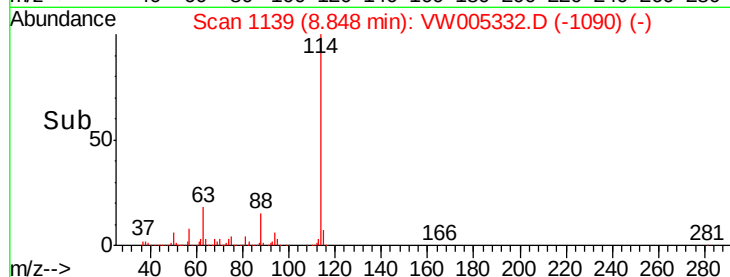
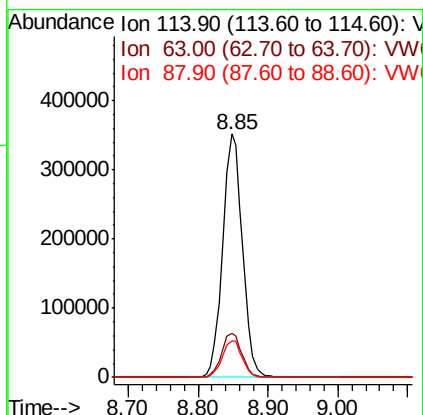
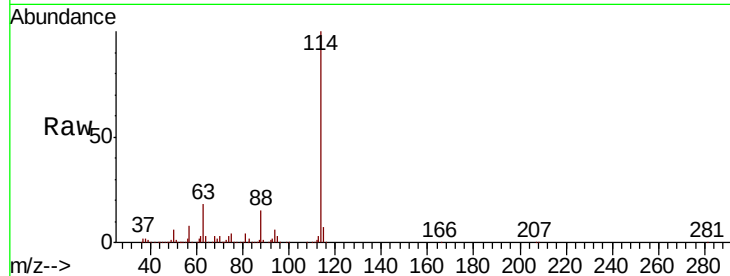




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005332.D
 Acq: 12 Sep 2018 18:05

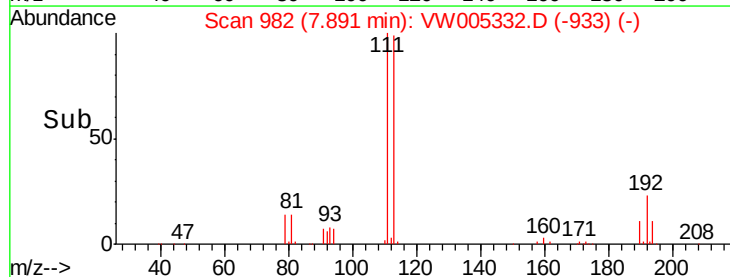
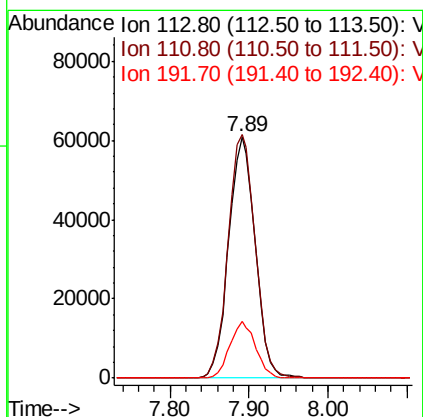
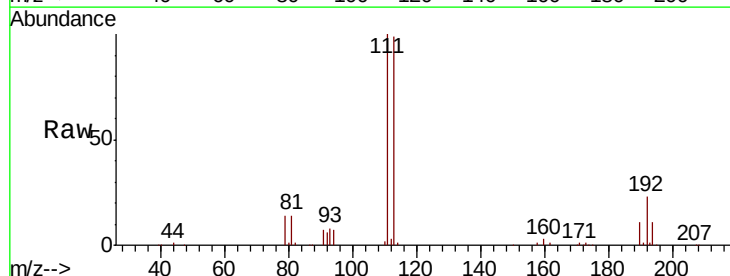
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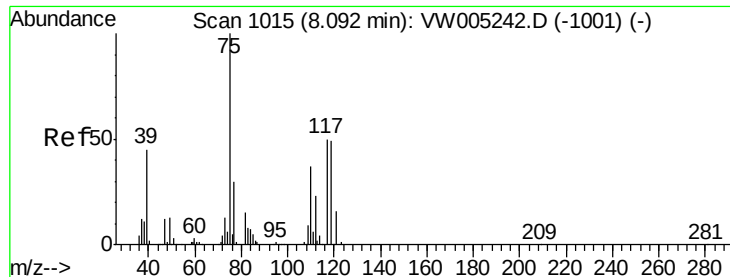
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	37.0
88	15.0	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 39.464 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005332.D
 Acq: 12 Sep 2018 18:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.6	121.0
192	22.8	18.3	27.5

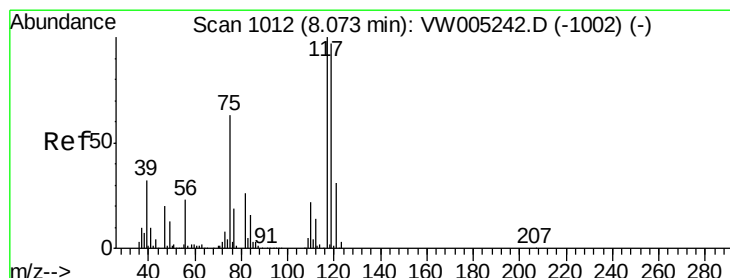
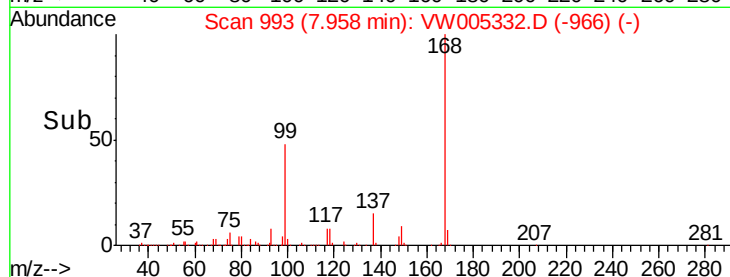
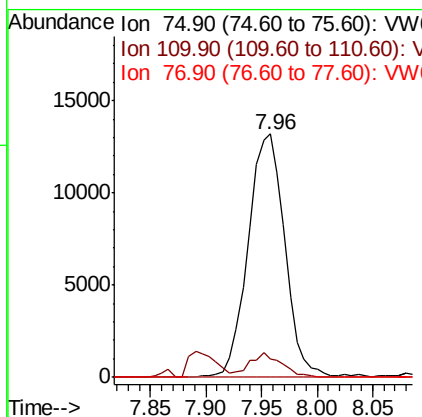
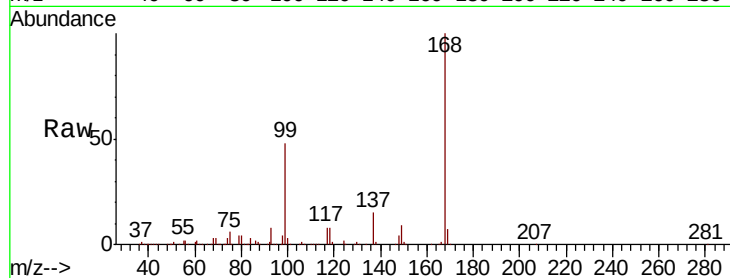




#36
 1,1-Dichloropropene
 Concen: 4.797 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005332.D
 Acq: 12 Sep 2018 18:05

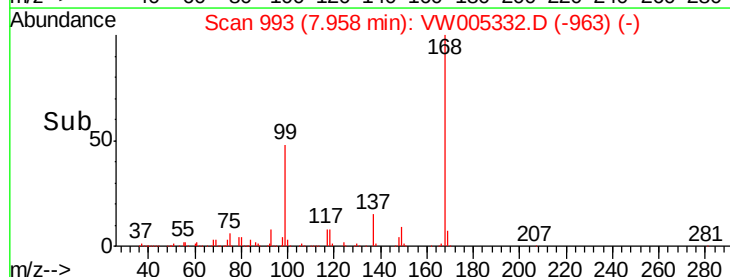
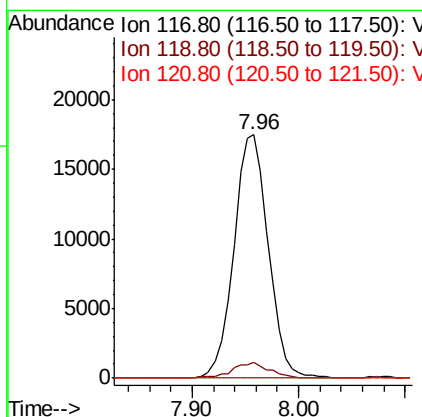
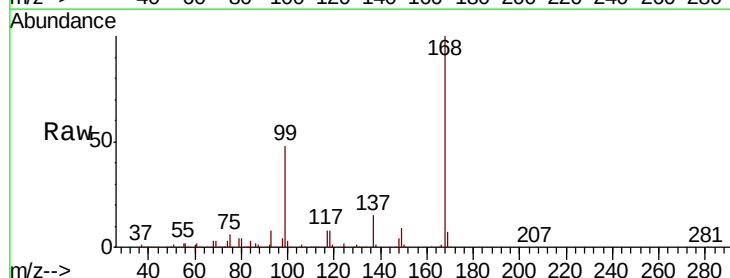
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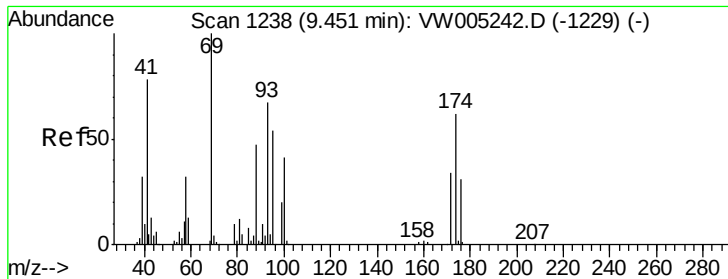
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.8	56.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.687 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005332.D
 Acq: 12 Sep 2018 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	77.5	116.3#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.100 ug/l

RT: 9.32 min Scan# 1216

Delta R.T. -0.13 min

Lab File: VW005332.D

Acq: 12 Sep 2018 18:05

Instrument :

MSVOA_W

ClientSampleId :

SUP-1B-G-090718-2

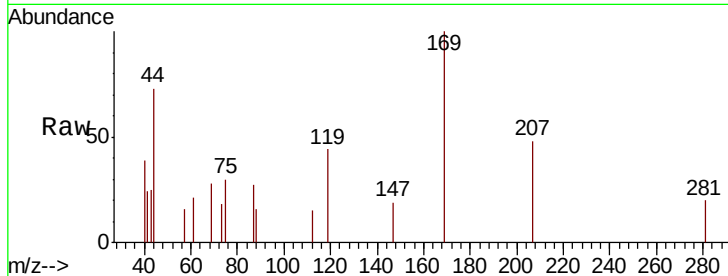
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 306.7 22.7 34.1#

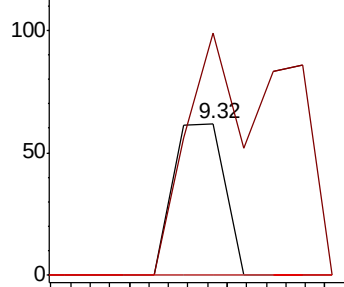
58 0.0 56.6 85.0#



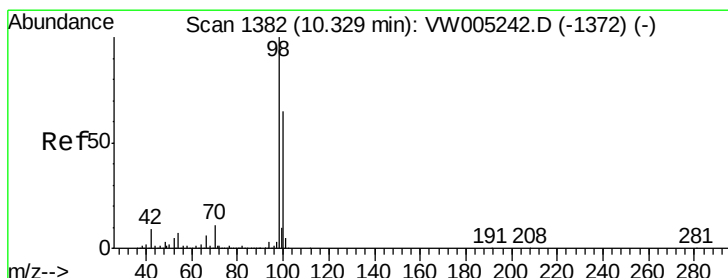
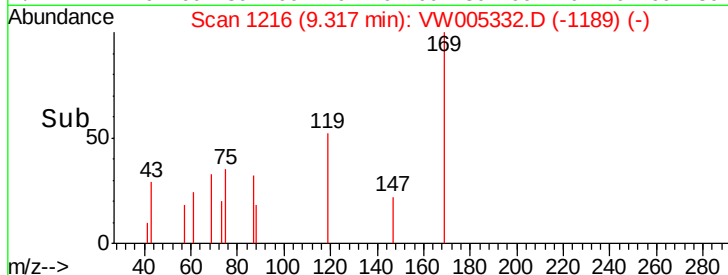
Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 35.559 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005332.D

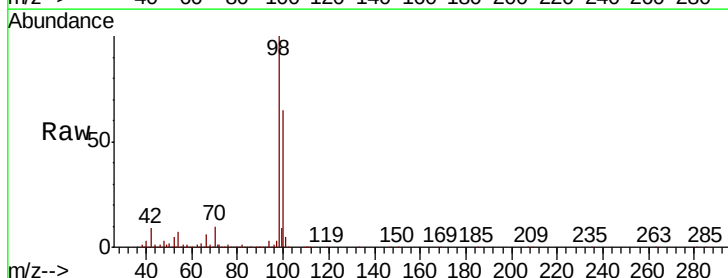
Acq: 12 Sep 2018 18:05

Tgt Ion: 98 Resp: 649299

Ion Ratio Lower Upper

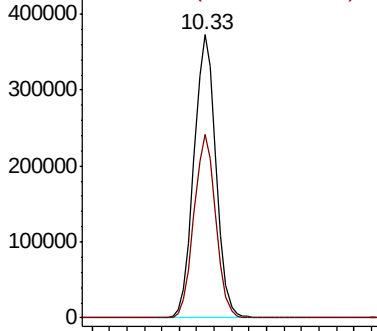
98 100

100 64.3 52.0 78.0

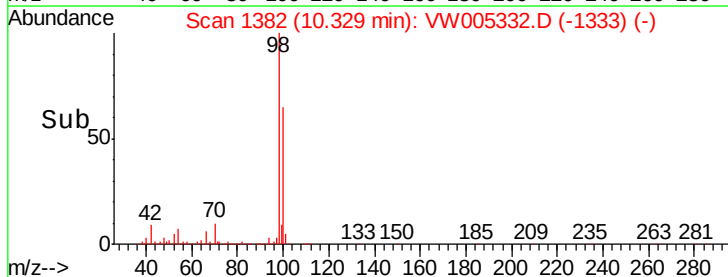


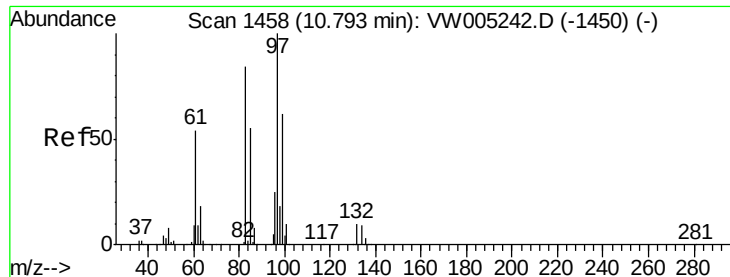
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->

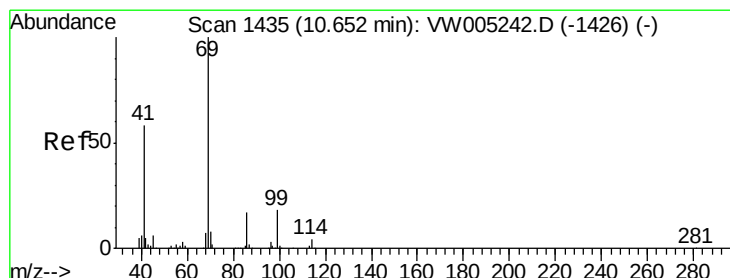
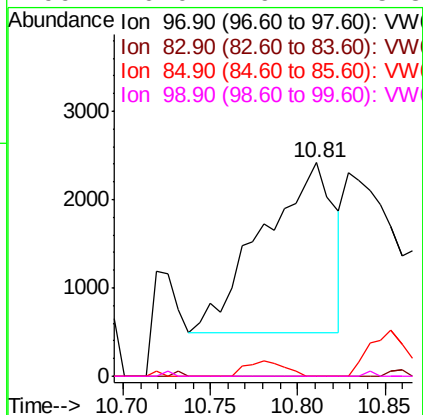
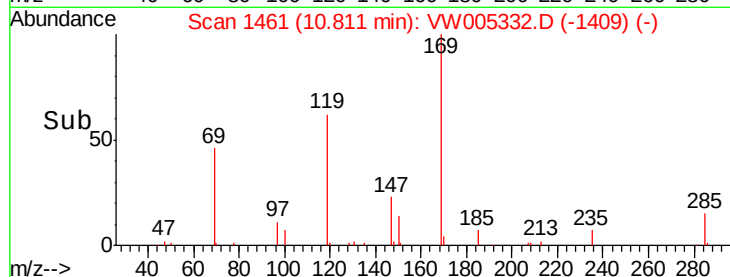
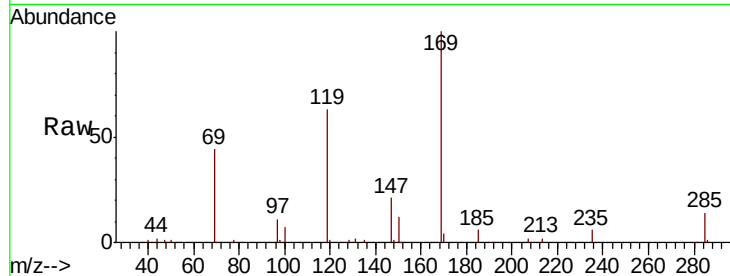




#55
 1,1,2-Trichloroethane
 Concen: 1.576 ug/l
 RT: 10.81 min Scan# 1461
 Delta R.T. 0.02 min
 Lab File: VW005332.D
 Acq: 12 Sep 2018 18:05

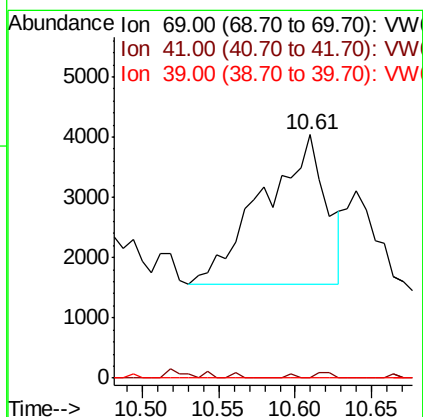
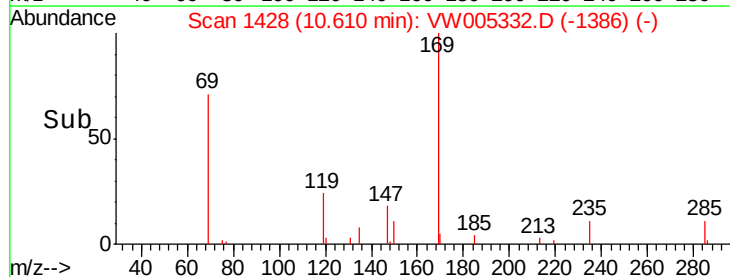
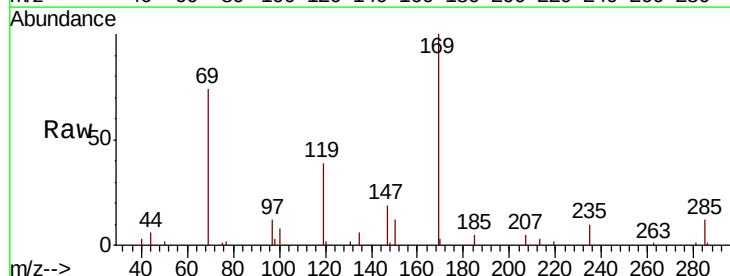
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1B-G-090718-2

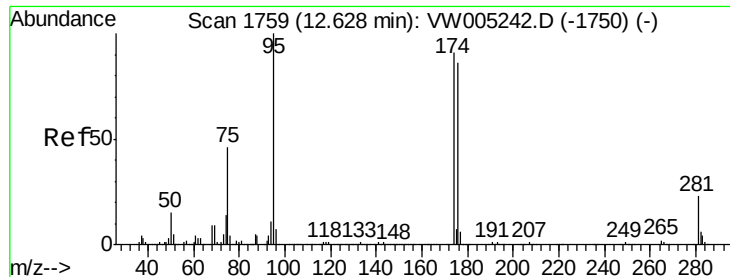
Tgt Ion:	97	Resp:	5506
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.2	100.8#
85	0.0	44.4	66.6#
99	0.0	49.2	73.8#



#56
 Ethyl methacrylate
 Concen: 1.627 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: VW005332.D
 Acq: 12 Sep 2018 18:05

Tgt Ion:	69	Resp:	7203
Ion	Ratio	Lower	Upper
69	100		
41	0.9	48.7	73.1#
39	0.0	20.9	31.3#

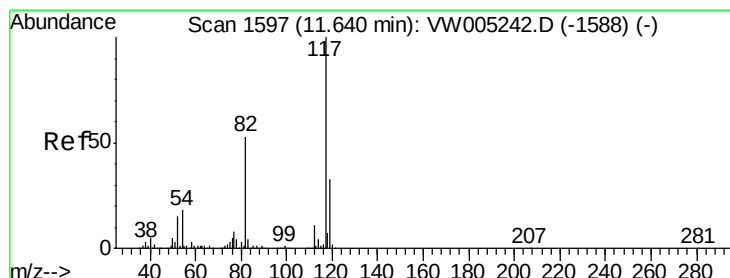
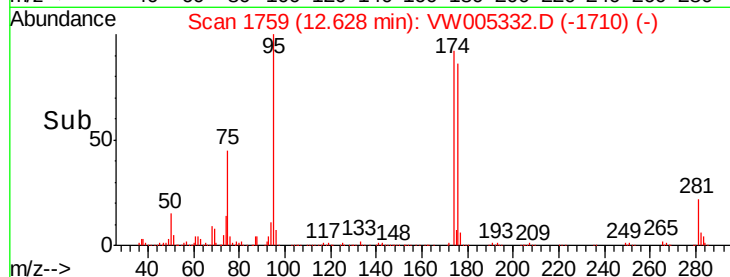
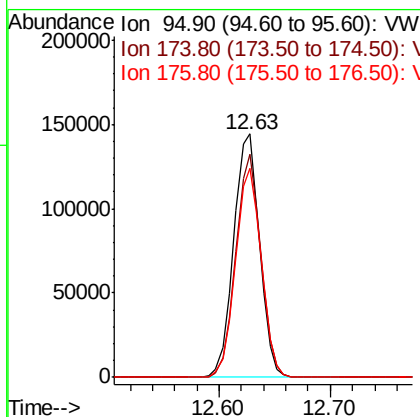
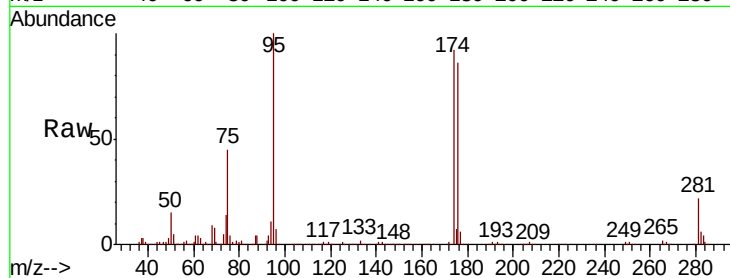




#62
4-Bromofluorobenzene
Concen: 34.694 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.00 min
Lab File: VW005332.D
Acq: 12 Sep 2018 18:05

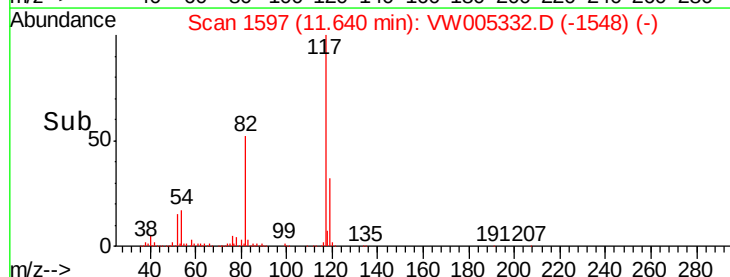
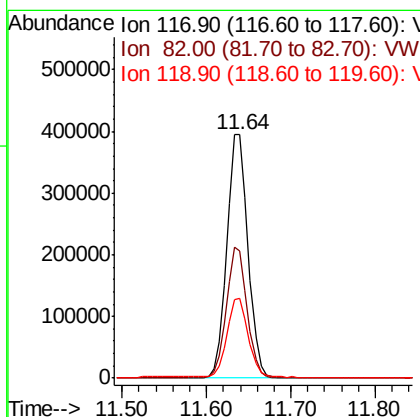
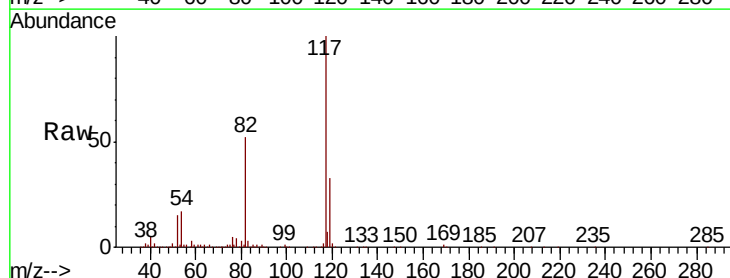
Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-2

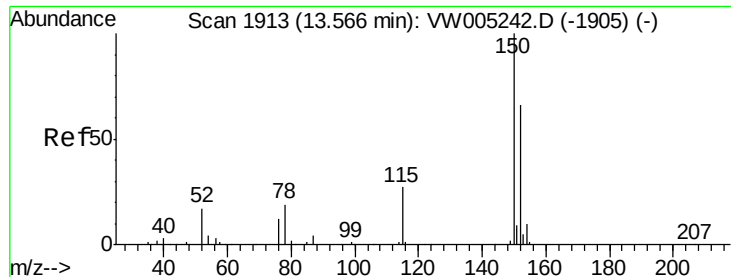
Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	174.6
176	85.3	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005332.D
Acq: 12 Sep 2018 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	63.8
119	32.7	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005332.D

Acq: 12 Sep 2018 18:05

Instrument :

MSVOA_W

ClientSampleId :

SUP-1B-G-090718-2

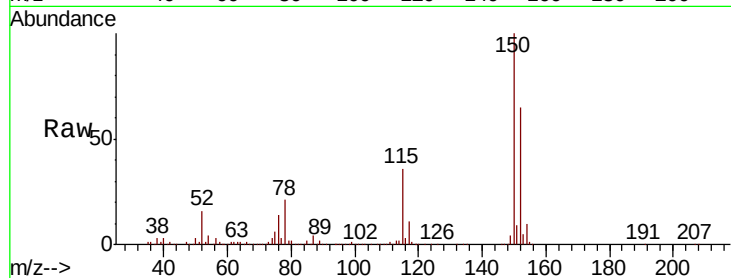
Tgt Ion:152 Resp: 345650

Ion Ratio Lower Upper

152 100

115 55.0 27.5 82.4

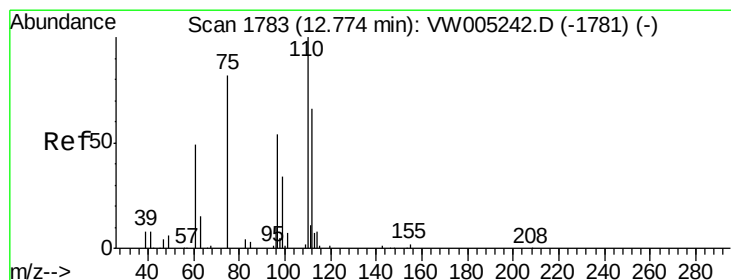
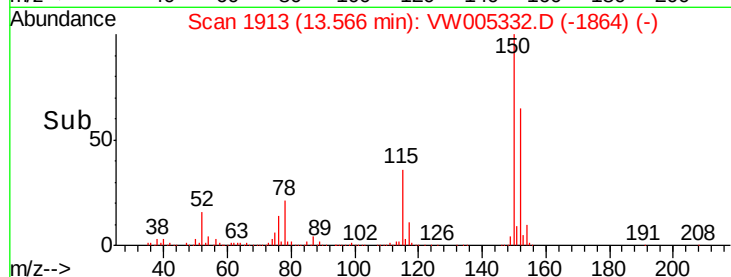
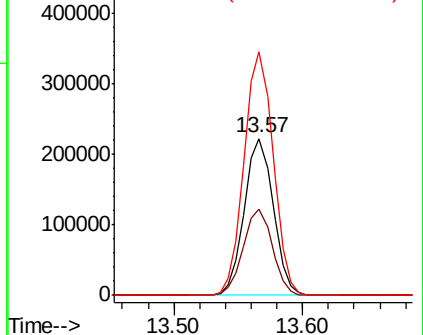
150 155.9 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 40.022 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005332.D

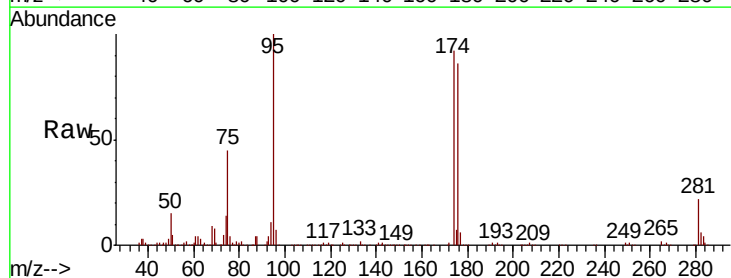
Acq: 12 Sep 2018 18:05

Tgt Ion: 75 Resp: 106401

Ion Ratio Lower Upper

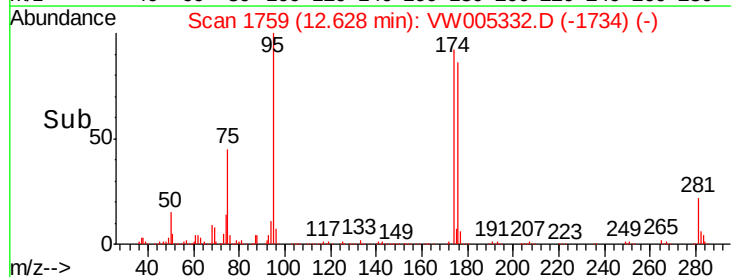
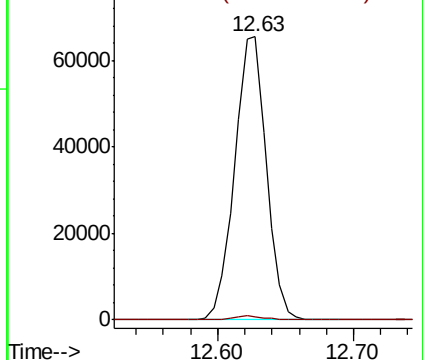
75 100

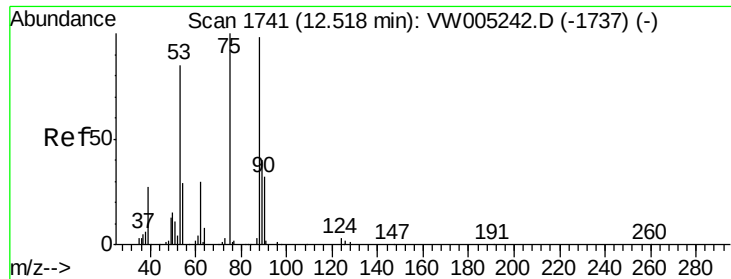
77 1.4 0.0 0.0#



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: 93.860 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005332.D

Acq: 12 Sep 2018 18:05

Instrument :

MSVOA_W

ClientSampleId :

SUP-1B-G-090718-2

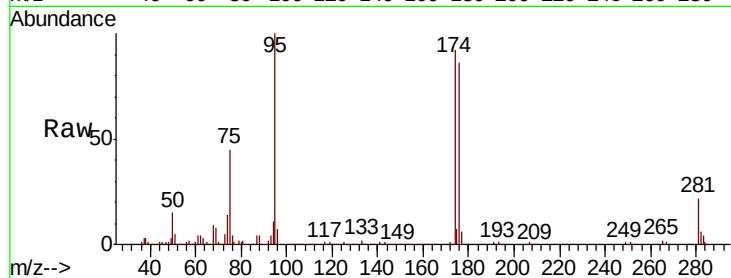
Tgt Ion: 75 Resp: 106401

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.6#

89 0.1 37.0 55.4#



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

