

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002532.D
 Acq On : 15 May 2018 01:01
 Operator : JC/SY
 Sample : VW0514SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBL01

Quant Time: May 15 07:30:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	340817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	312091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	119653	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	7.88	113	108484	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.33	98	402106	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.63	95	141835	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	

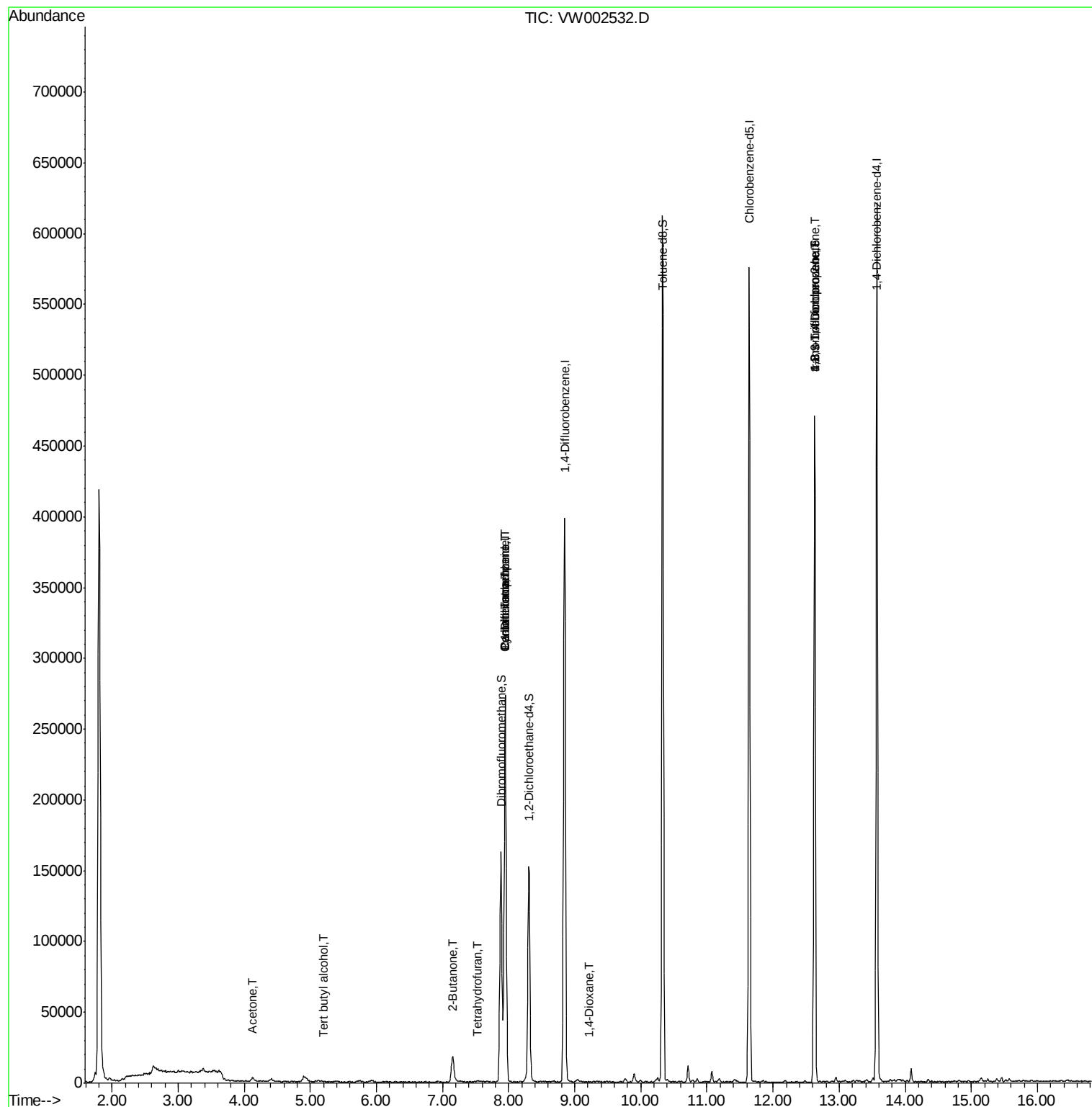
Target Compounds						Qvalue
11) Tert butyl alcohol	5.19	59	439	2.60	ug/l #	72
16) Acetone	4.12	43	5455	11.75	ug/l	94
20) Methylene Chloride	4.91	84	2891	Below Cal	#	81
25) 2-Butanone	7.15	43	960	1.46	ug/l #	49
29) Tetrahydrofuran	7.52	42	669	1.63	ug/l #	56
31) Cyclohexane	7.94	56	4927	1.58	ug/l #	48
36) 1,1-Dichloropropene	7.95	75	15836	5.27	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20246	6.88	ug/l #	17
49) 1,4-Dioxane	9.21	88	26	1.25	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	73498	47.86	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	73498	130.49	ug/l #	8

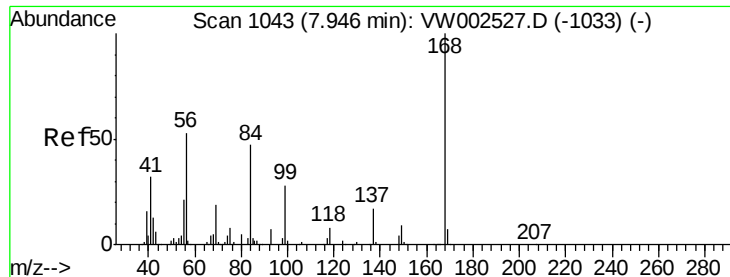
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
Data File : VW002532.D
Acq On : 15 May 2018 01:01
Operator : JC/SY
Sample : VW0514SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBL01

Quant Time: May 15 07:30:12 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
Quant Title : SW846 8260
QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

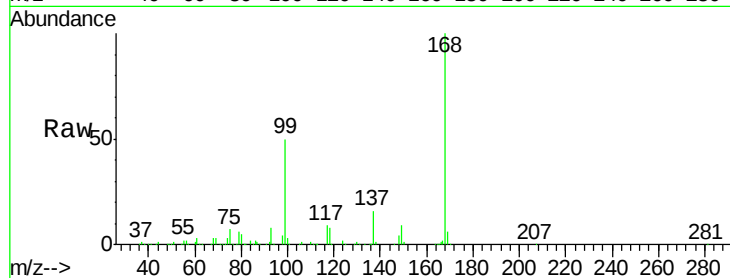
VW0515SBL01

Tgt Ion:168 Resp: 212804

Ion Ratio Lower Upper

168 100

99 50.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

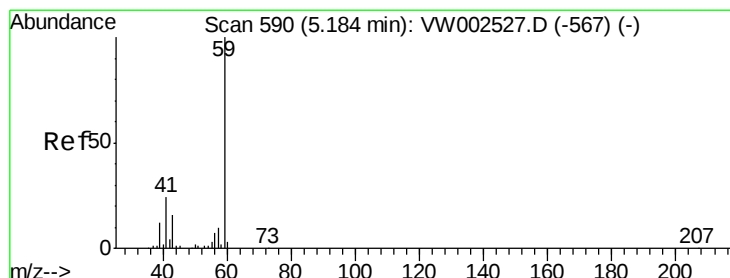
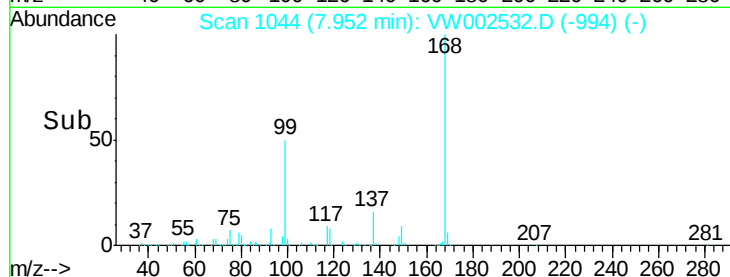
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.60 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002532.D

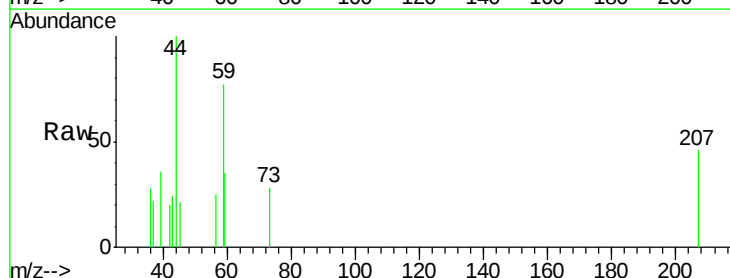
Acq: 15 May 2018 01:01

Tgt Ion: 59 Resp: 439

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

400

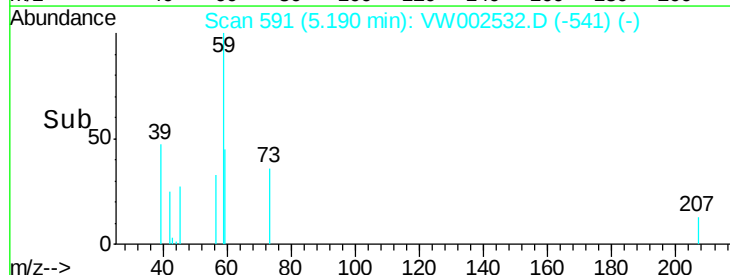
300

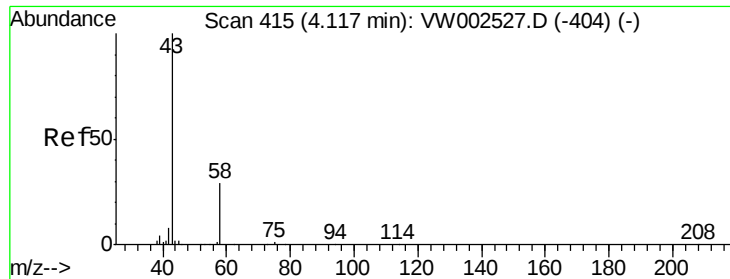
200

100

0

Time-->





#16

Acetone

Concen: 11.75 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

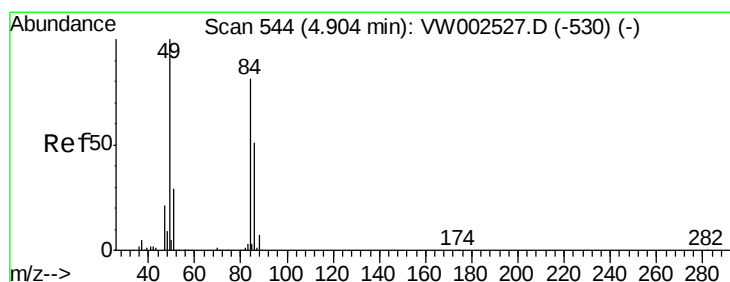
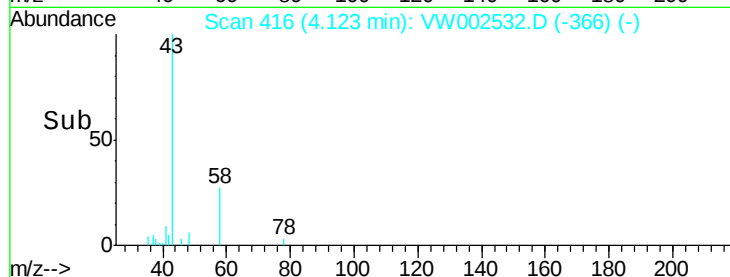
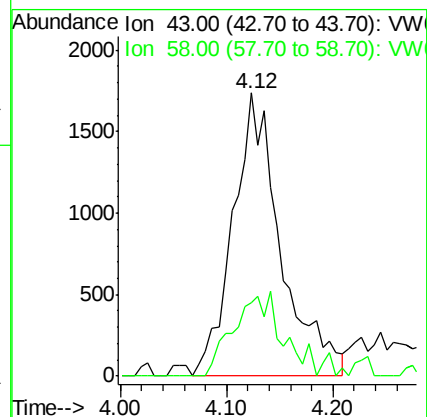
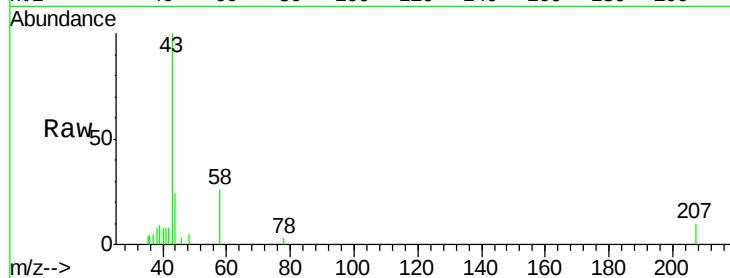
VW0515SBL01

Tgt Ion: 43 Resp: 5455

Ion Ratio Lower Upper

43 100

58 26.1 23.4 35.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

Tgt Ion: 84 Resp: 2891

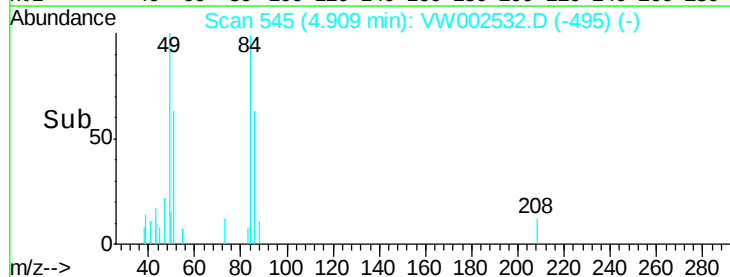
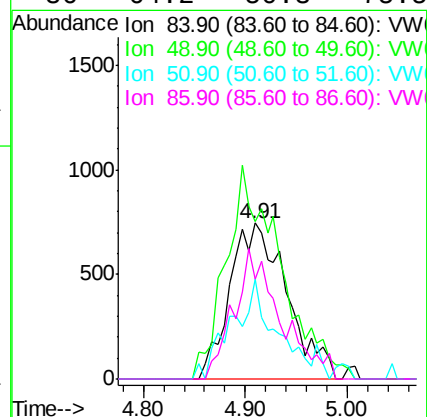
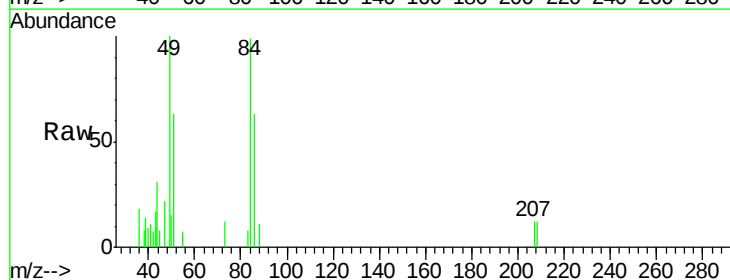
Ion Ratio Lower Upper

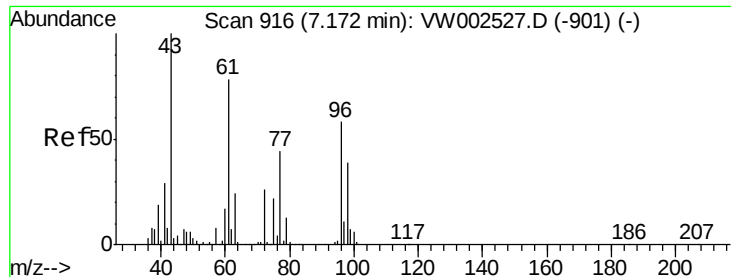
84 100

49 101.3 99.4 149.0

51 64.1 29.0 43.6#

86 64.2 50.3 75.5





#25

2-Butanone

Concen: 1.46 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

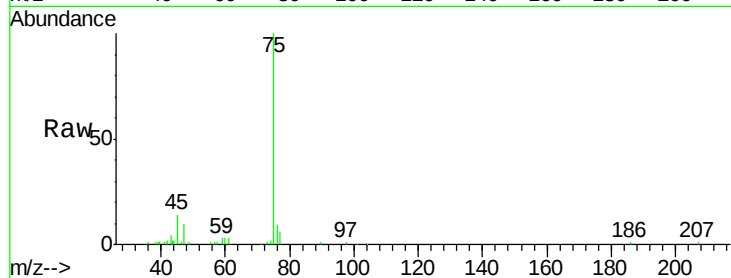
VW0515SBL01

Tgt Ion: 43 Resp: 960

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

600

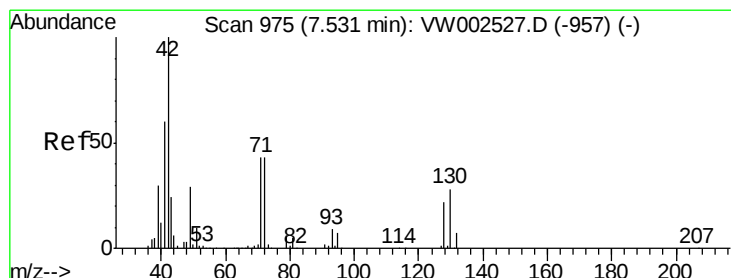
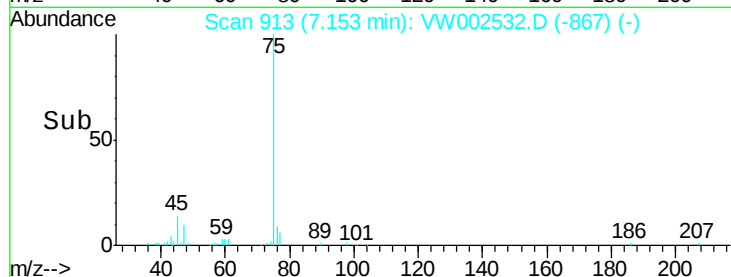
400

200

0

7.05 7.10 7.15

Time-->



#29

Tetrahydrofuran

Concen: 1.63 ug/l

RT: 7.52 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

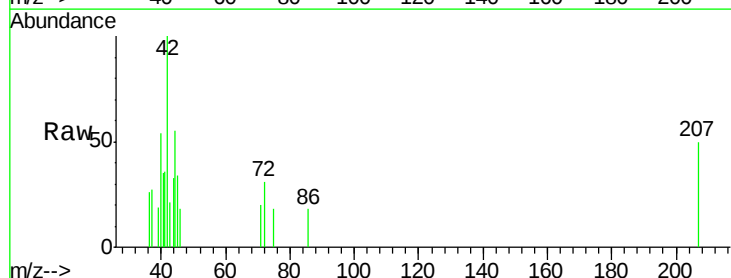
Tgt Ion: 42 Resp: 669

Ion Ratio Lower Upper

42 100

72 4.9 35.0 52.4#

71 24.7 33.0 49.6#



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

7.52

400

300

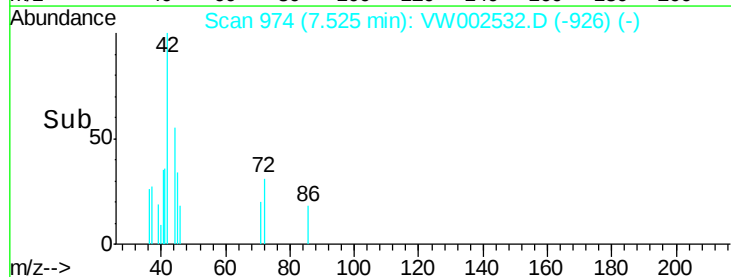
200

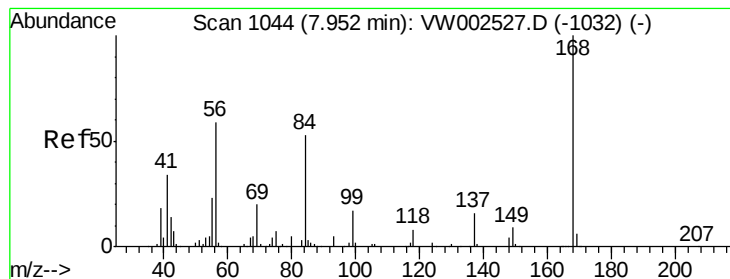
100

0

7.50 7.55 7.60

Time-->





#31

Cyclohexane

Concen: 1.58 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBL01

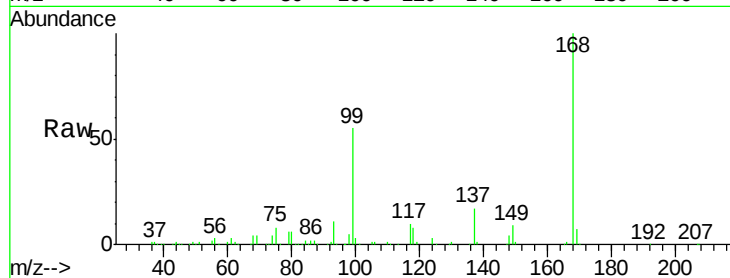
Tgt Ion: 56 Resp: 4927

Ion Ratio Lower Upper

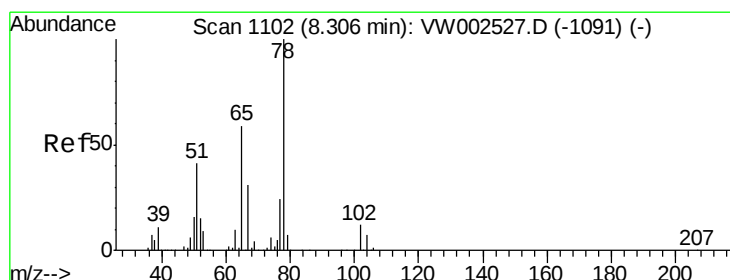
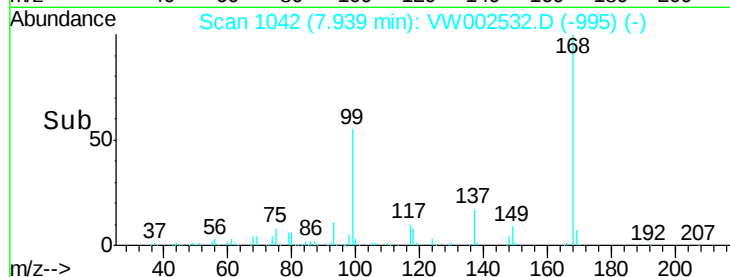
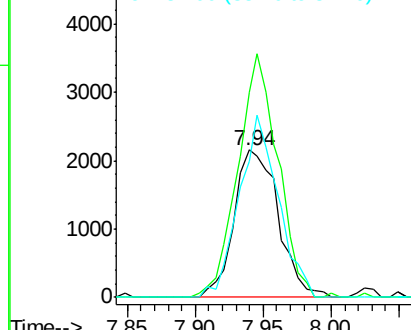
56 100

69 139.5 27.0 40.4#

84 92.1 72.2 108.2



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: 54.41 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002532.D

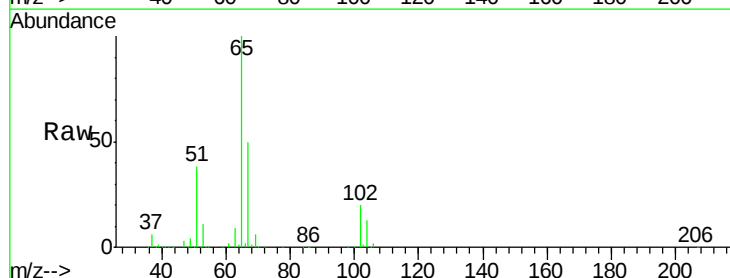
Acq: 15 May 2018 01:01

Tgt Ion: 65 Resp: 119653

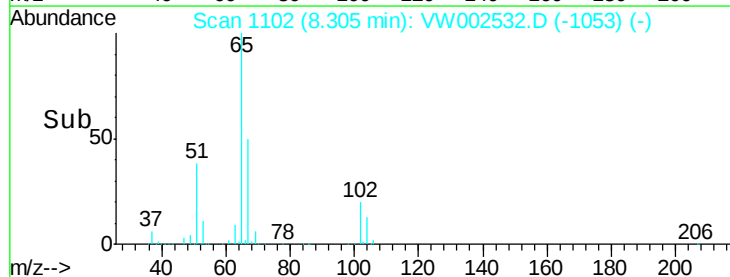
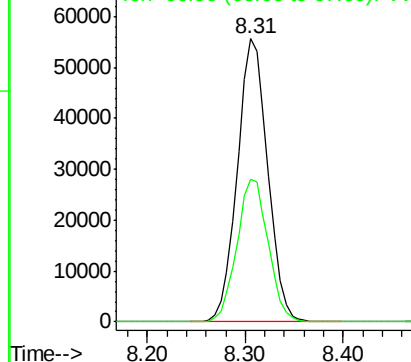
Ion Ratio Lower Upper

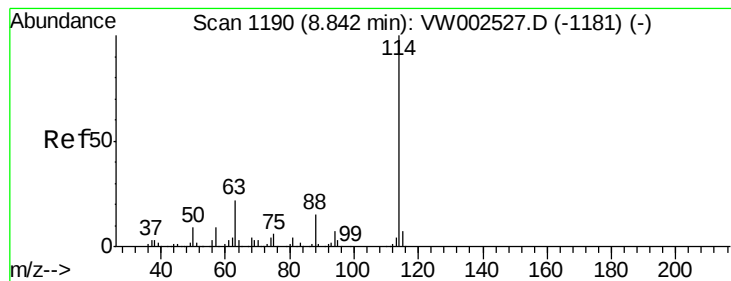
65 100

67 52.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBL01

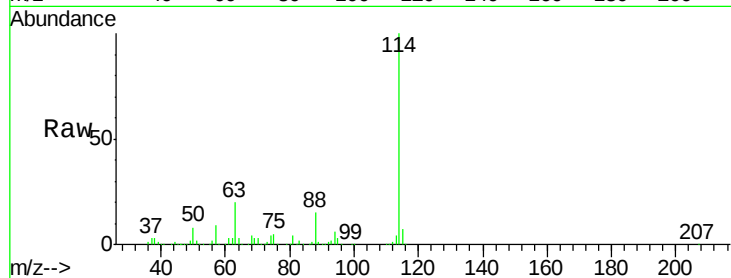
Tgt Ion:114 Resp: 340817

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

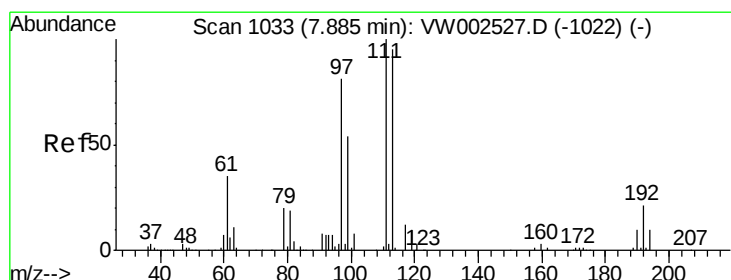
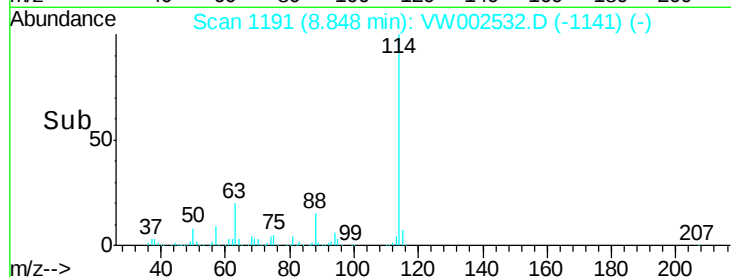
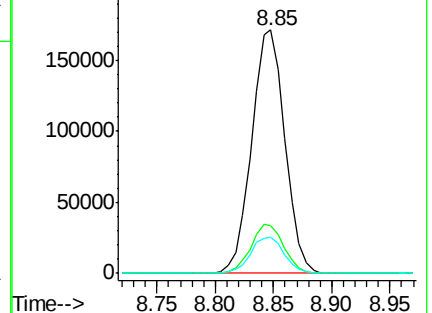
88 14.7 0.0 29.2



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: 50.17 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

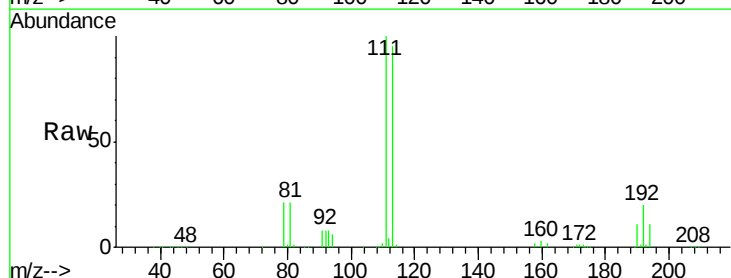
Tgt Ion:113 Resp: 108484

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

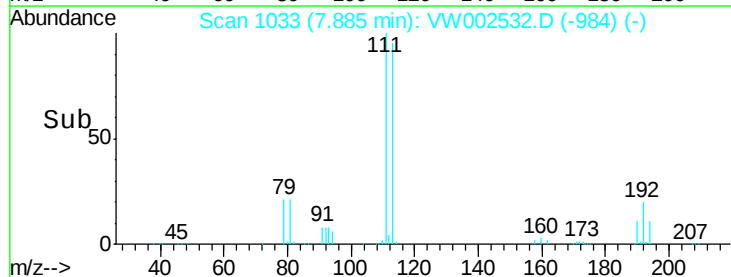
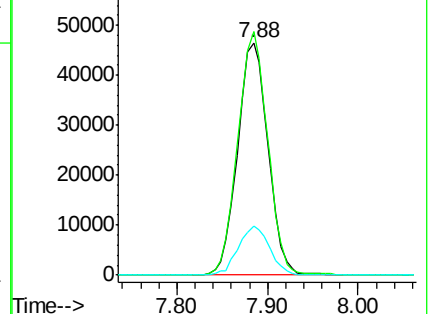
192 21.5 17.5 26.3

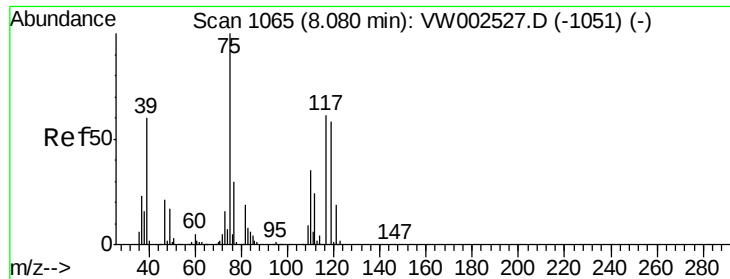


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

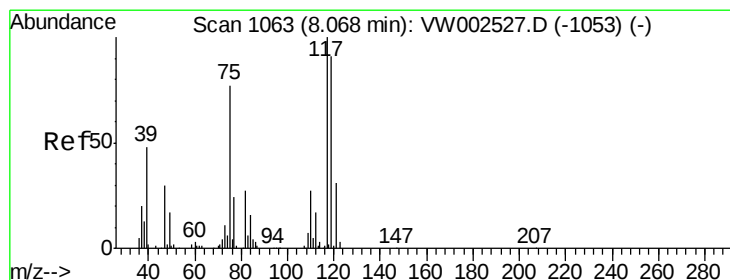
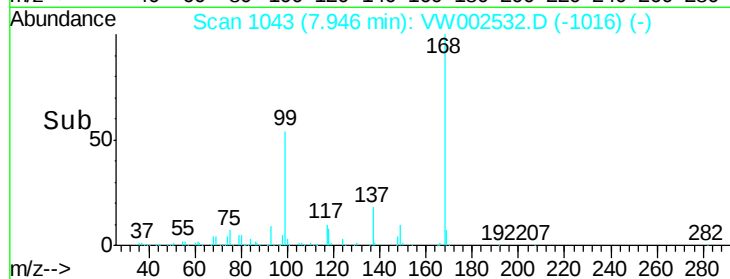
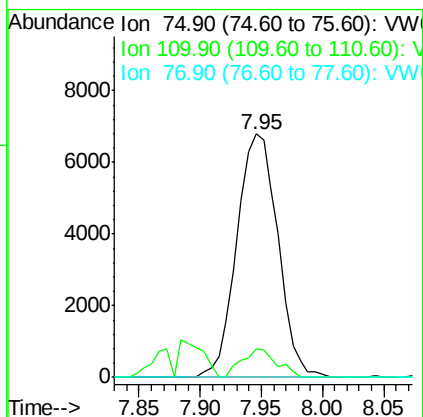
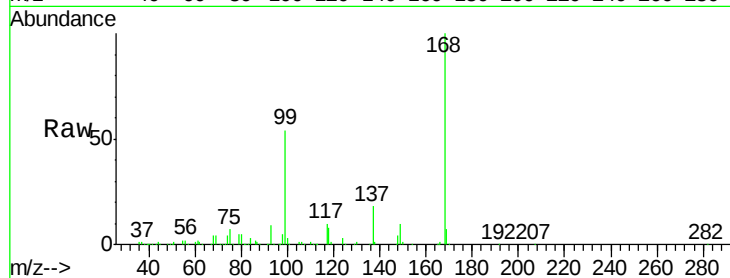




#36
 1,1-Dichloropropene
 Concen: 5.27 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002532.D
 Acq: 15 May 2018 01:01

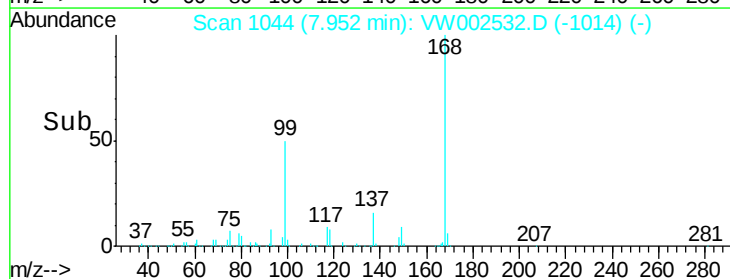
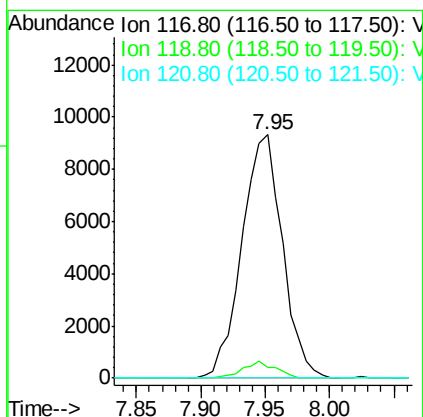
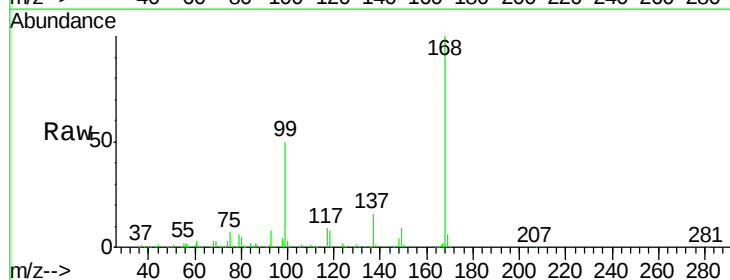
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBL01

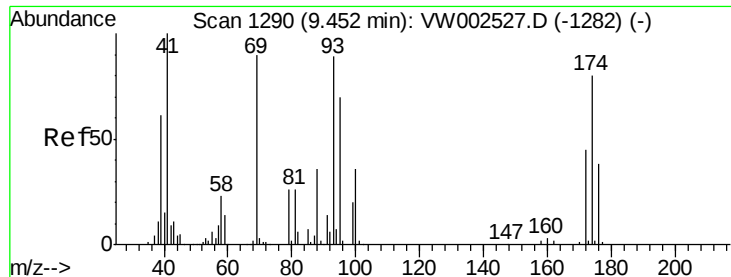
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.8	53.5#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.88 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW002532.D
 Acq: 15 May 2018 01:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	73.1	109.7#
121	0.0	24.4	36.6#





#49

1,4-Dioxane

Concen: 1.25 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.24 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBL01

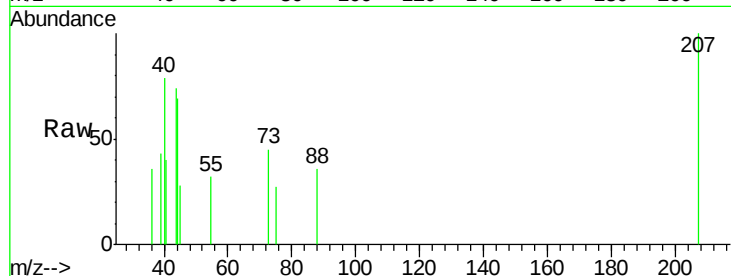
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 300.0 27.0 40.4#

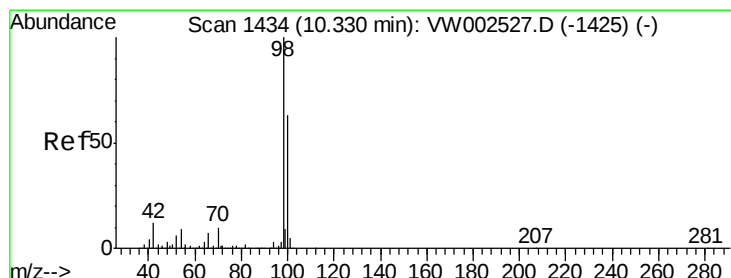
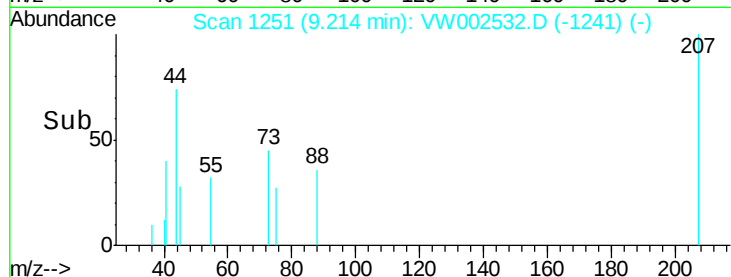
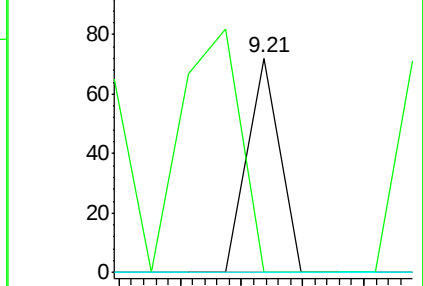
58 0.0 56.9 85.3#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.88 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002532.D

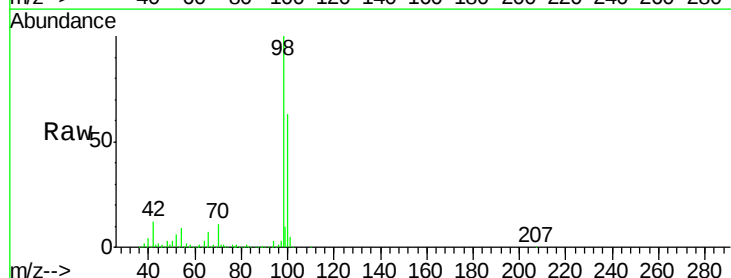
Acq: 15 May 2018 01:01

Tgt Ion: 98 Resp: 402106

Ion Ratio Lower Upper

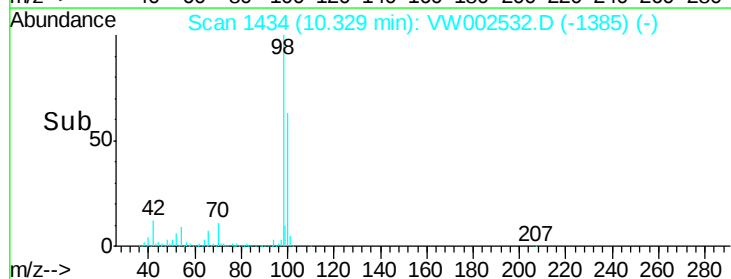
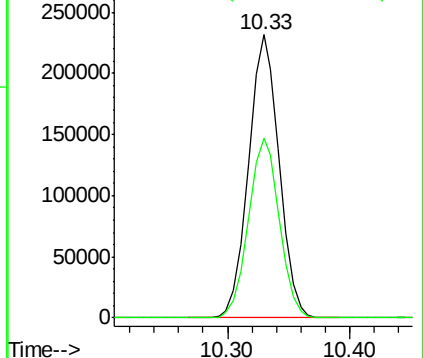
98 100

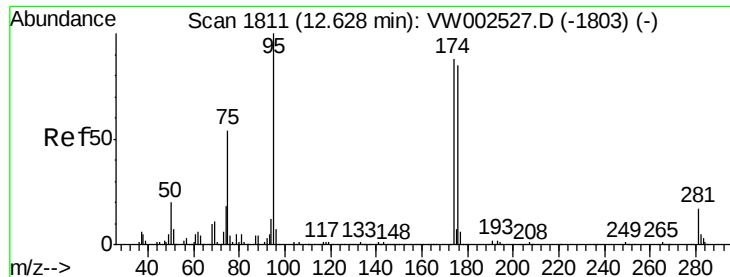
100 64.0 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

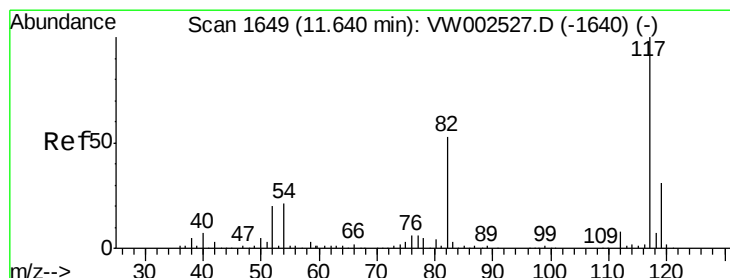
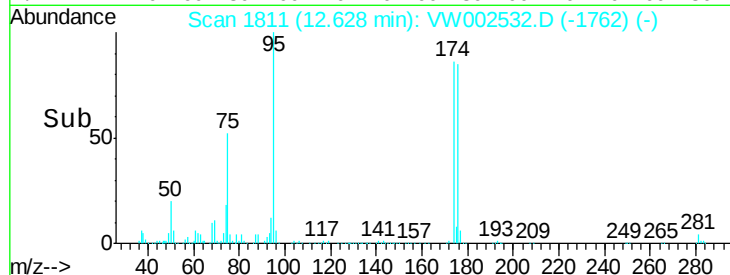
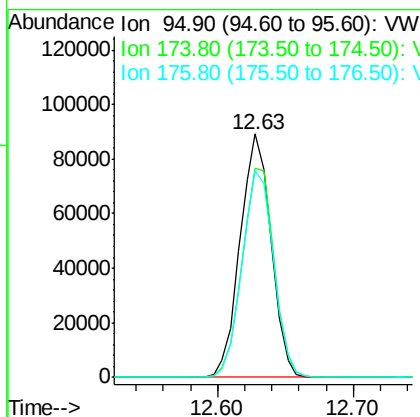
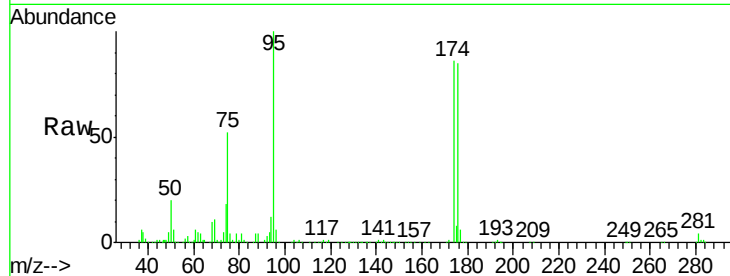




#62
4-Bromofluorobenzene
Concen: 47.15 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002532.D
Acq: 15 May 2018 01:01

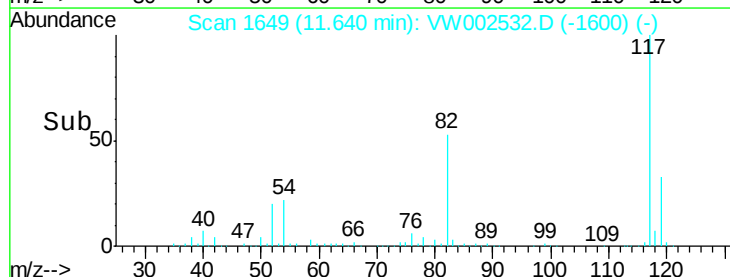
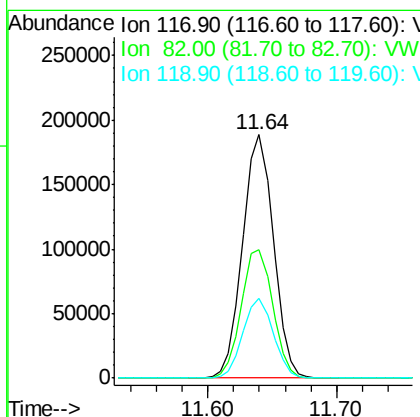
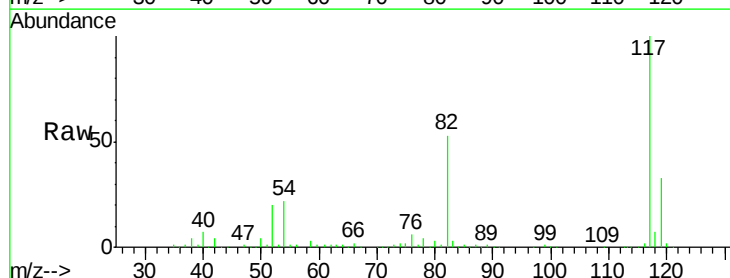
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBL01

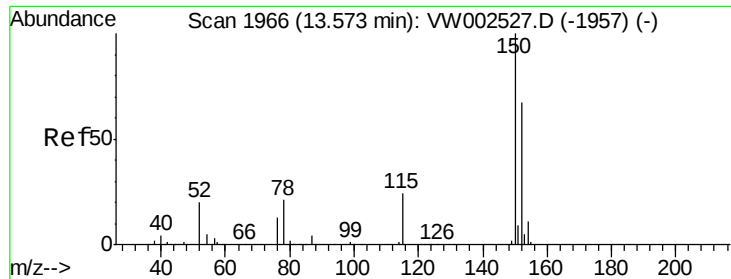
Tgt Ion: 95 Resp: 141835
Ion Ratio Lower Upper
95 100
174 89.1 0.0 176.6
176 86.6 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002532.D
Acq: 15 May 2018 01:01

Tgt Ion: 117 Resp: 312091
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 32.6 25.0 37.6



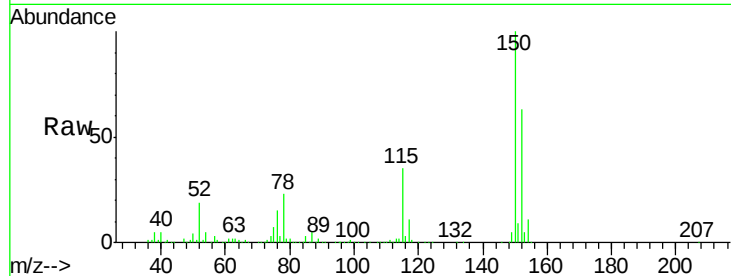


#72

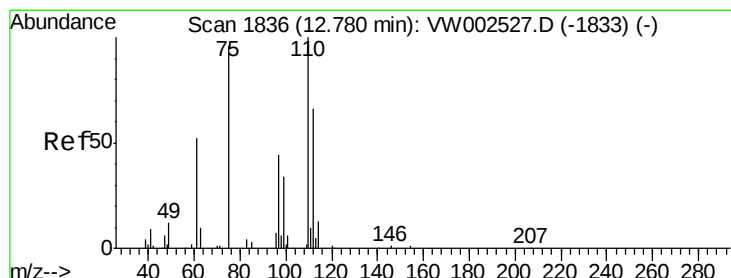
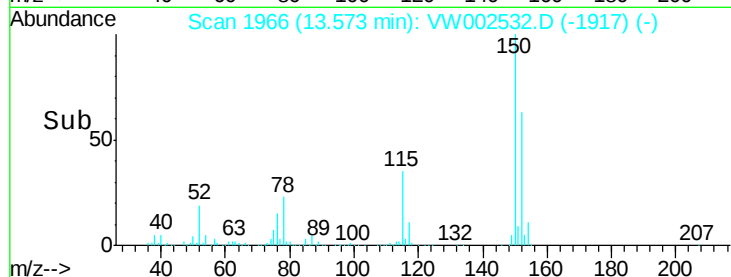
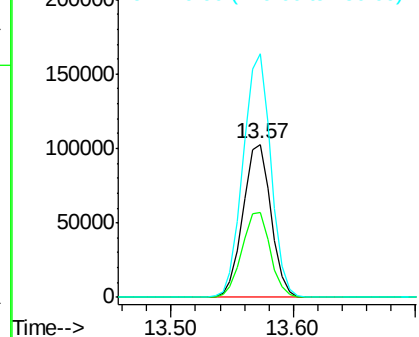
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002532.D
Acq: 15 May 2018 01:01

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBL01

Tgt Ion:152 Resp: 162455
Ion Ratio Lower Upper
152 100
115 56.3 28.0 84.0
150 157.6 0.0 345.4



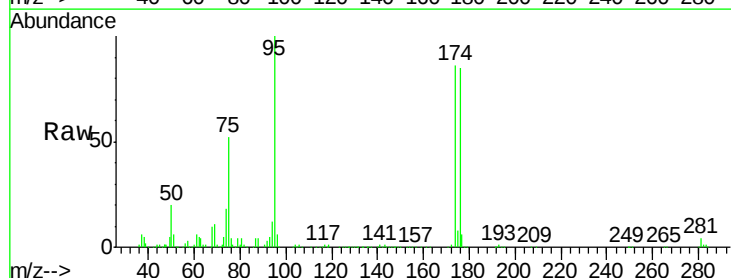
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



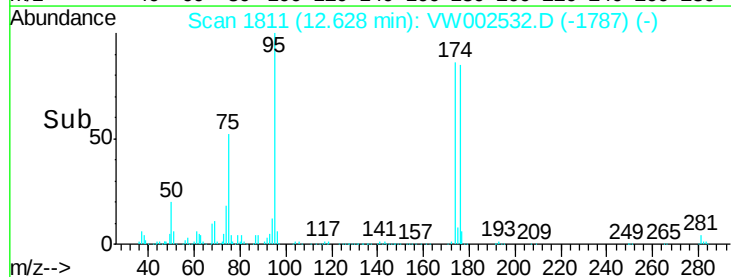
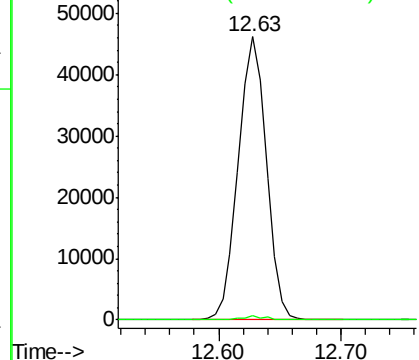
#76

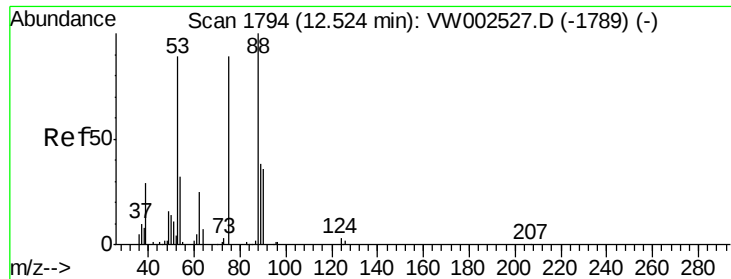
1,2,3-Trichloropropane
Concen: 47.86 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW002532.D
Acq: 15 May 2018 01:01

Tgt Ion: 75 Resp: 73498
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: 130.49 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002532.D

Acq: 15 May 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBL01

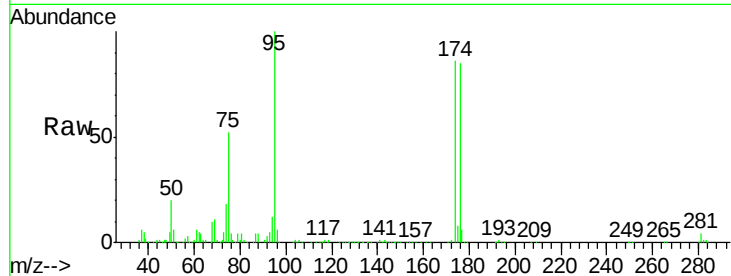
Tgt Ion: 75 Resp: 73498

Ion Ratio Lower Upper

75 100

53 0.1 82.6 124.0#

89 0.0 39.2 58.8#



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

