

Data File : VW009019.D
Acq On : 06 Mar 2019 16:47
Operator : SY/VA
Sample : VW0306SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBL01

Quant Time: Mar 07 07:25:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:22:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	462803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212862	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	184966	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.88	113	155410	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.32	98	620122	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.62	95	213779	42.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.68%	

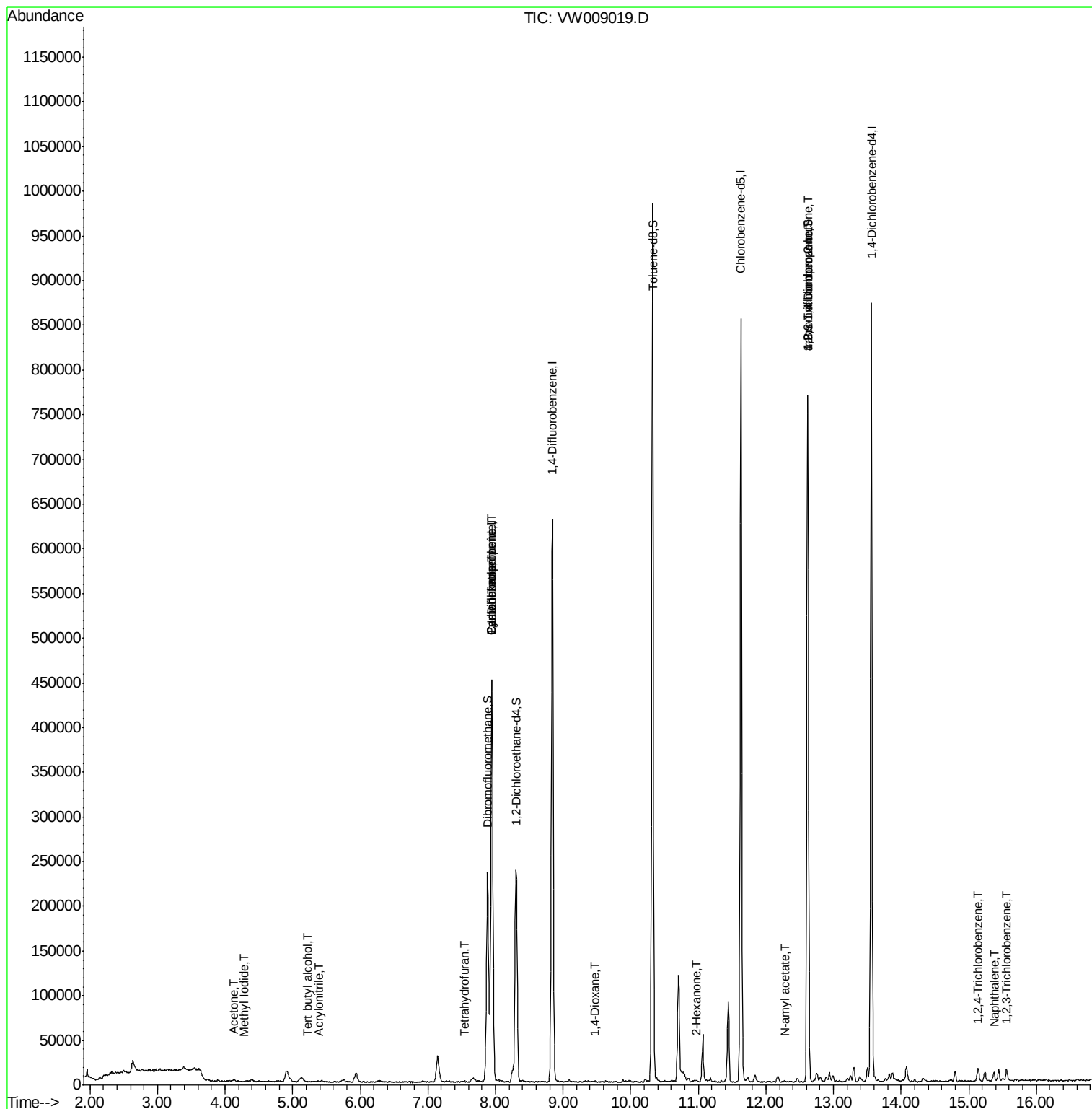
Target Compounds				Qvalue		
10) Methyl Iodide	4.28	142	157	5.672	ug/l #	57
11) Tert butyl alcohol	5.21	59	318	1.313	ug/l #	70
15) Acrylonitrile	5.38	53	1044	1.436	ug/l #	68
16) Acetone	4.13	43	3805	5.482	ug/l	96
29) Tetrahydrofuran	7.55	42	1211	1.952	ug/l #	78
31) Cyclohexane	7.94	56	8044	1.325	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	26233	5.051	ug/l #	51
38) Carbon Tetrachloride	7.95	117	32033	5.960	ug/l #	16
49) 1,4-Dioxane	9.48	88	195	7.445	ug/l #	5
59) 2-Hexanone	10.97	43	1750	1.090	ug/l	99
74) N-amyl acetate	12.27	43	1194	4.499	ug/l #	92
76) 1,2,3-Trichloropropane	12.62	75	116148	68.847	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	116148	139.682	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.15	180	4388	1.037	ug/l	97
95) Naphthalene	15.37	128	7638	1.114	ug/l	97
96) 1,2,3-Trichlorobenzene	15.57	180	3927	1.072	ug/l	98

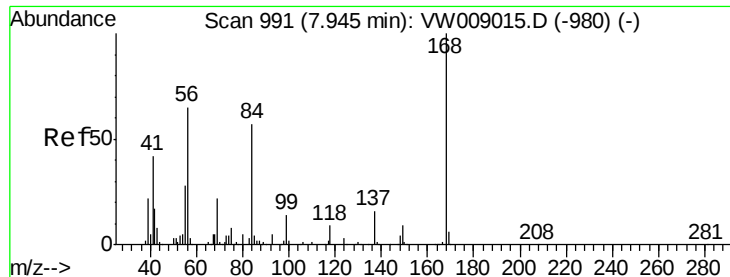
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009019.D

Acq: 06 Mar 2019 16:47

Instrument :

MSVOA_W

ClientSampleId :

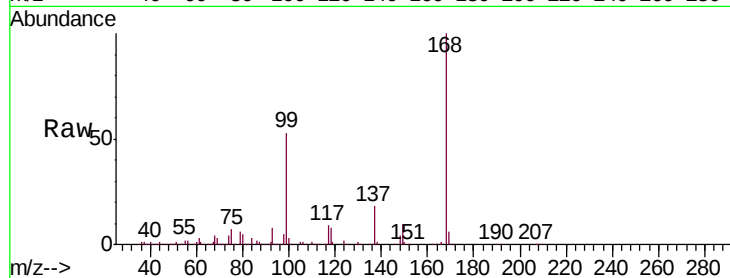
VW0306SBL01

Tgt Ion:168 Resp: 336860

Ion Ratio Lower Upper

168 100

99 52.9 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

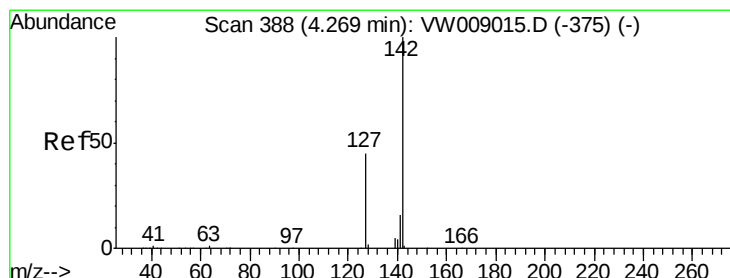
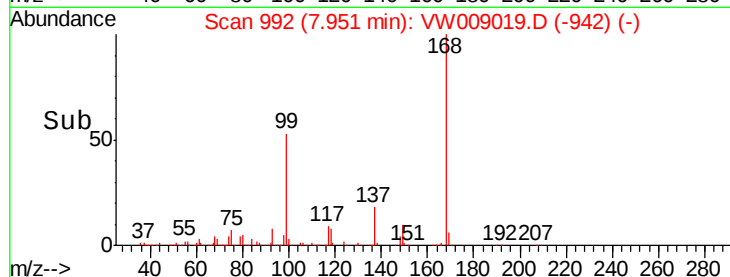
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 5.672 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW009019.D

Acq: 06 Mar 2019 16:47

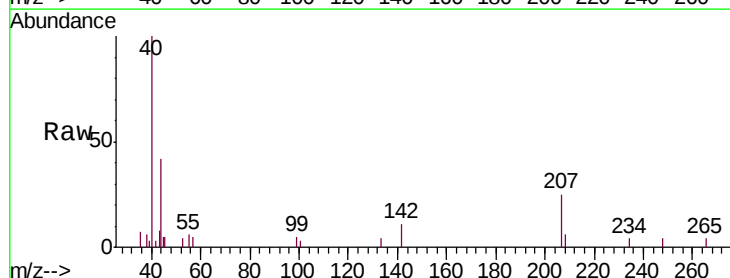
Tgt Ion:142 Resp: 157

Ion Ratio Lower Upper

142 100

127 15.9 36.2 54.2#

141 0.0 12.3 18.5#



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

250

200

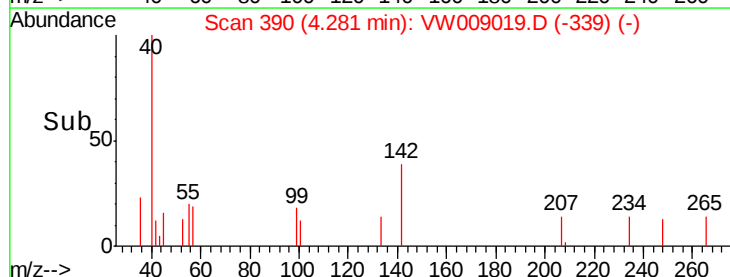
150

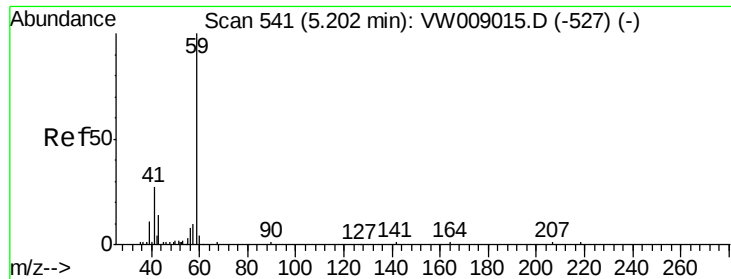
100

50

0

Time--> 4.26 4.28 4.30

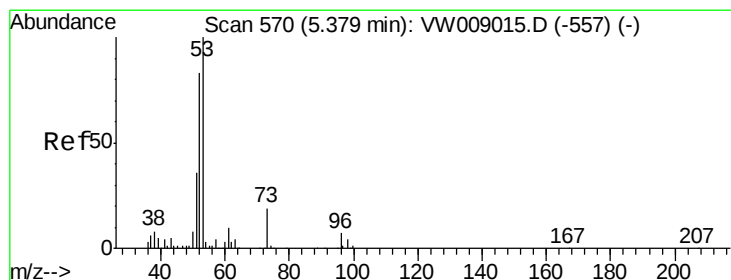
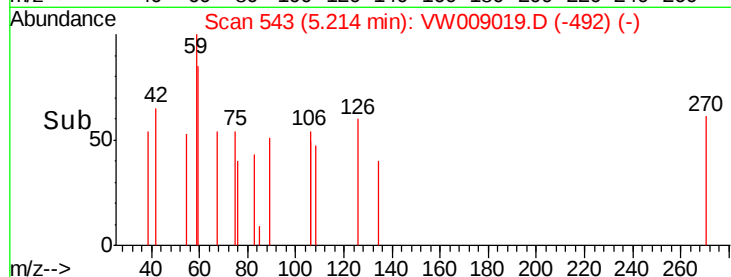
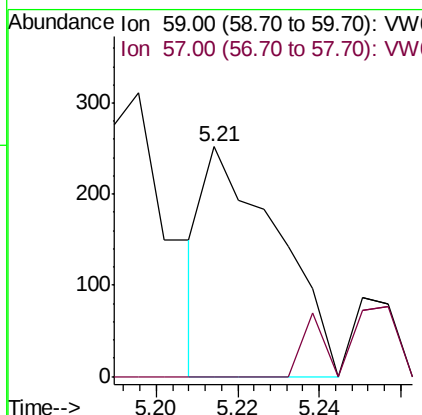
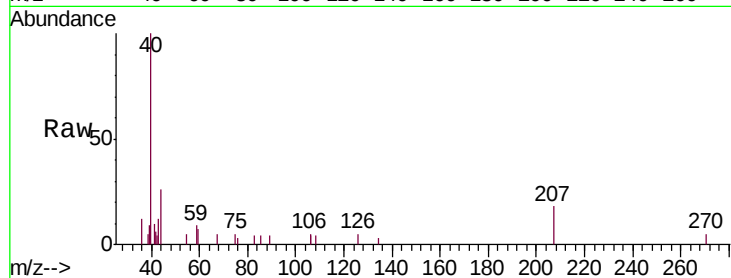




#11
Tert butyl alcohol
Concen: 1.313 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.01 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

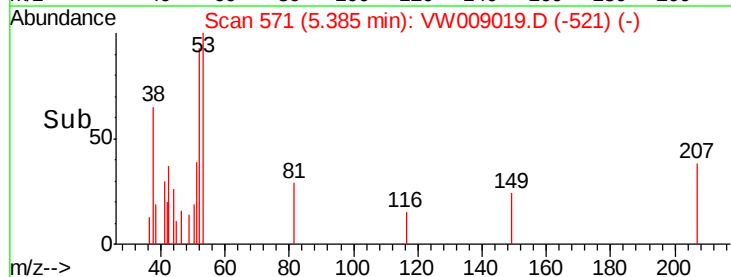
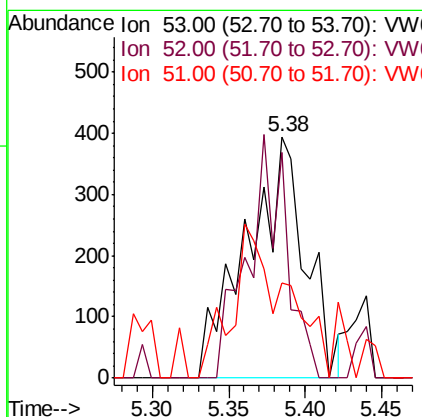
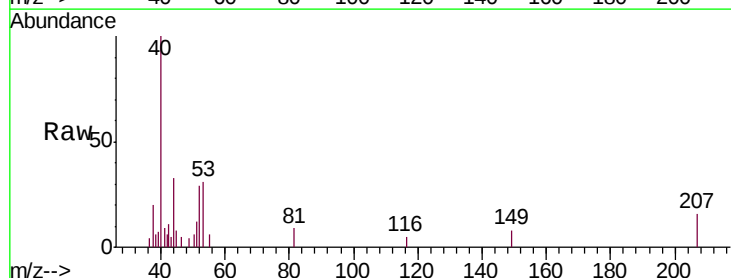
Instrument :
MSVOA_W
ClientSampled :
VW0306SBL01

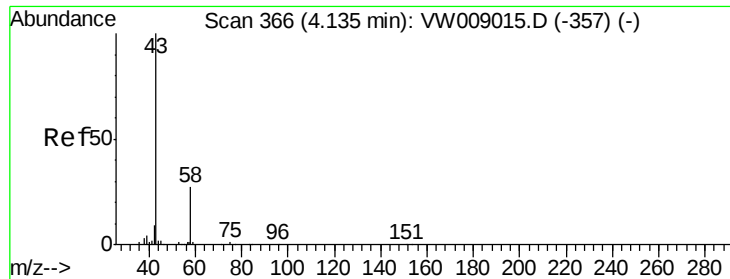
Tgt Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#15
Acrylonitrile
Concen: 1.436 ug/l
RT: 5.38 min Scan# 571
Delta R.T. 0.01 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

Tgt Ion: 53 Resp: 1044
Ion Ratio Lower Upper
53 100
52 66.8 66.6 100.0
51 0.0 30.6 45.8#

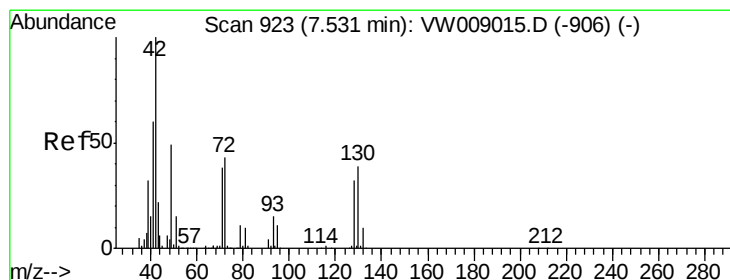
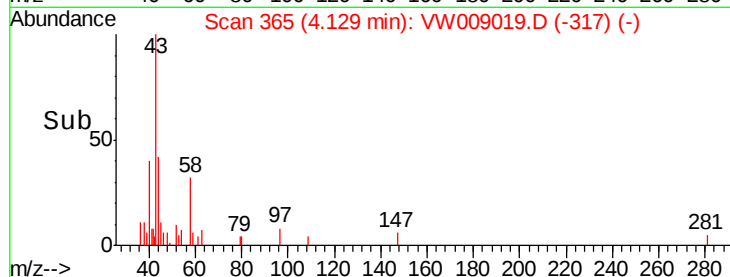
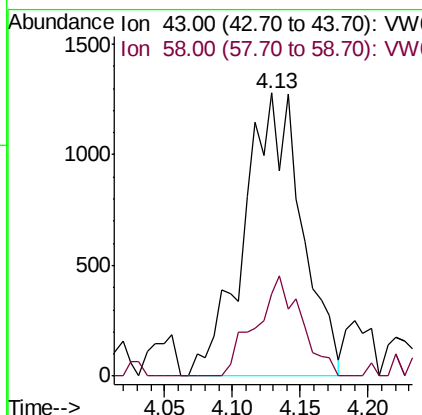
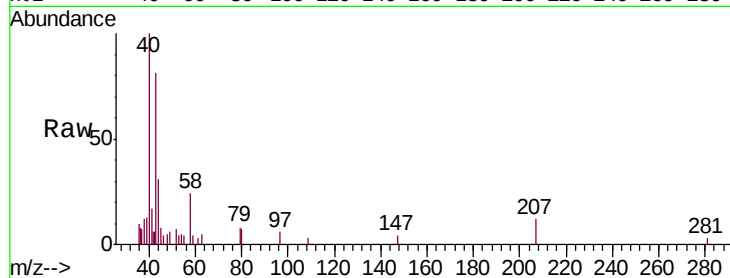




#16
Acetone
Concen: 5.482 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

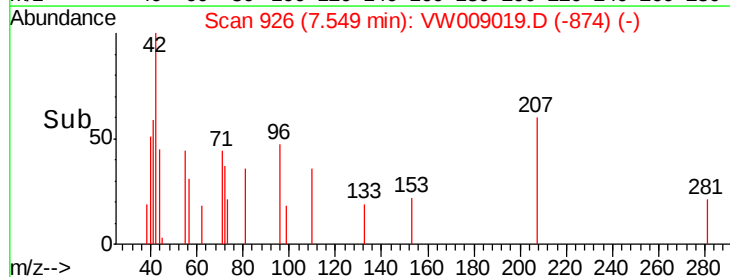
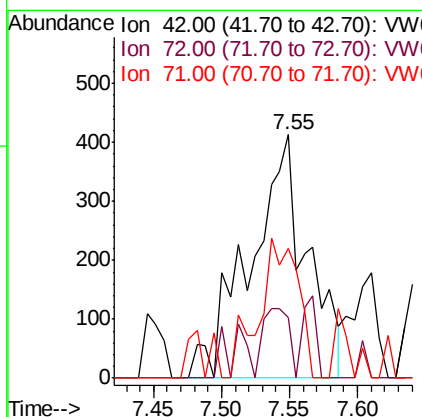
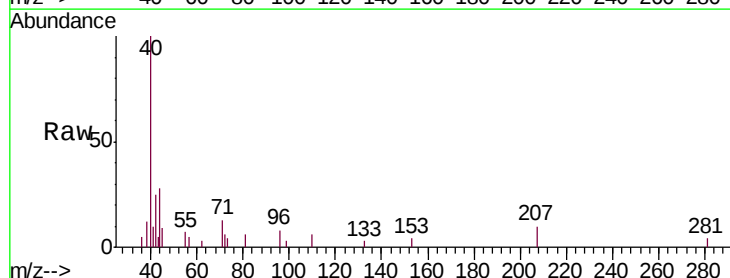
Instrument :
MSVOA_W
ClientSampleId :
VW0306SBL01

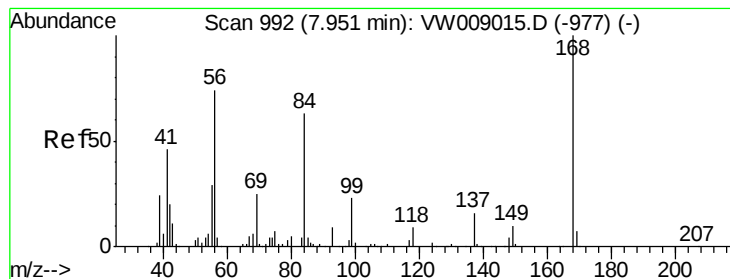
Tgt Ion: 43 Resp: 3805
Ion Ratio Lower Upper
43 100
58 29.2 21.6 32.4



#29
Tetrahydrofuran
Concen: 1.952 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

Tgt Ion: 42 Resp: 1211
Ion Ratio Lower Upper
42 100
72 13.3 32.5 48.7#
71 39.6 31.6 47.4





#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009019.D

Acq: 06 Mar 2019 16:47

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBL01

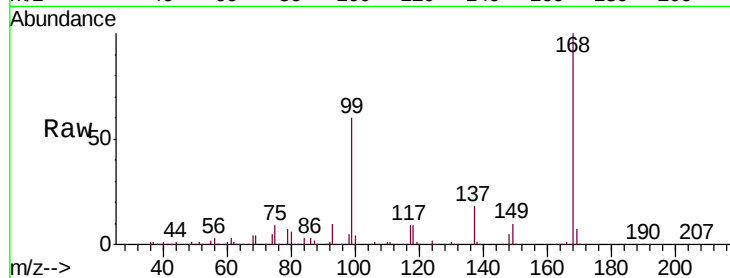
Tgt Ion: 56 Resp: 8044

Ion Ratio Lower Upper

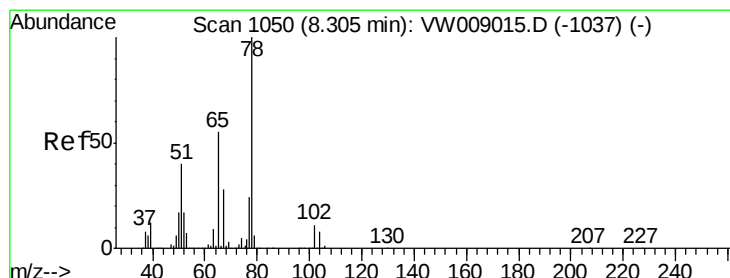
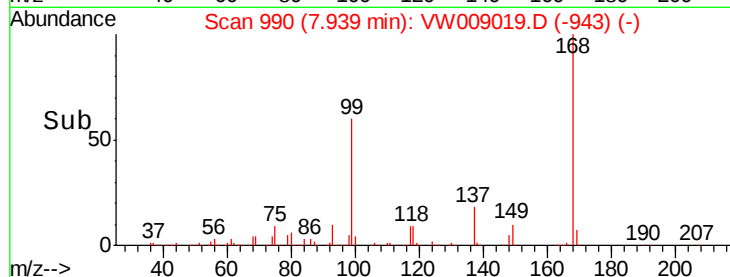
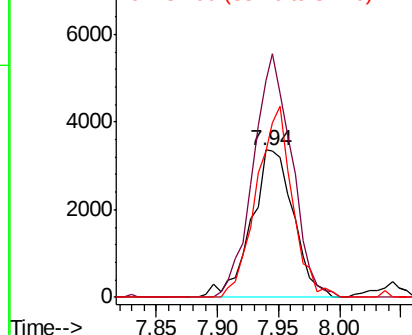
56 100

69 147.5 27.0 40.4#

84 99.8 68.3 102.5



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



#33

1,2-Dichloroethane-d4

Concen: 54.732 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009019.D

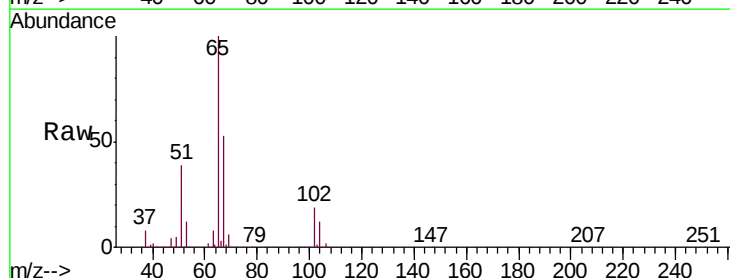
Acq: 06 Mar 2019 16:47

Tgt Ion: 65 Resp: 184966

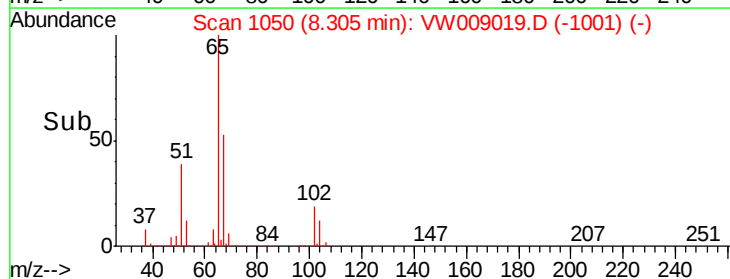
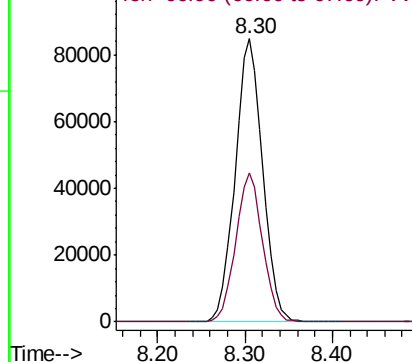
Ion Ratio Lower Upper

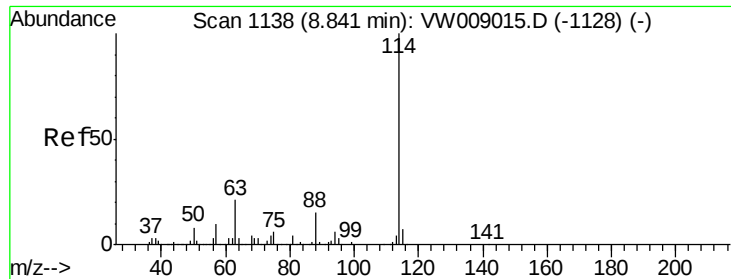
65 100

67 51.4 0.0 102.2



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: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009019.D

Acq: 06 Mar 2019 16:47

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBL01

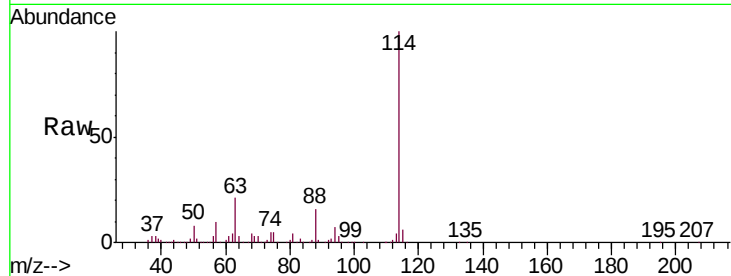
Tgt Ion:114 Resp: 522345

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

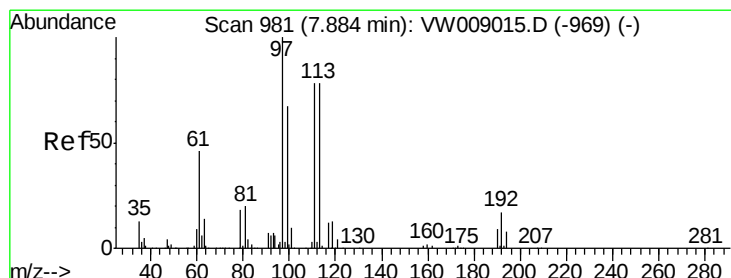
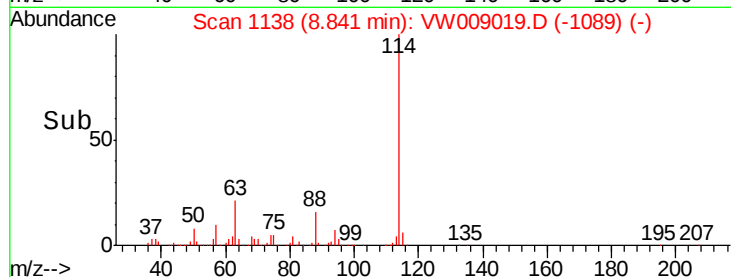
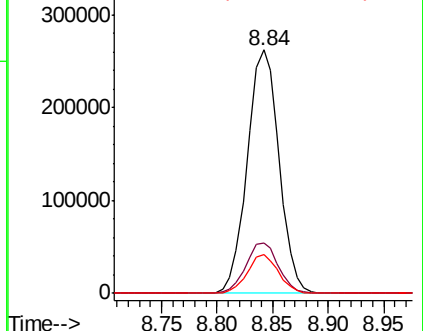
88 15.8 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 49.424 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009019.D

Acq: 06 Mar 2019 16:47

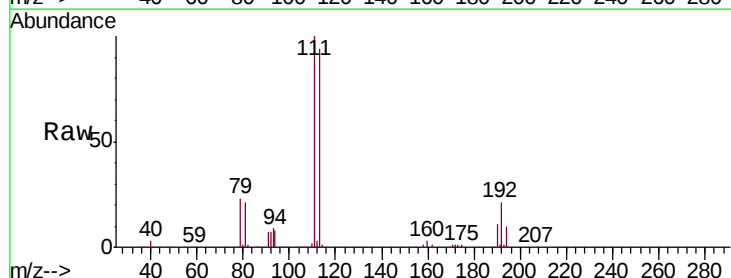
Tgt Ion:113 Resp: 155410

Ion Ratio Lower Upper

113 100

111 105.3 80.5 120.7

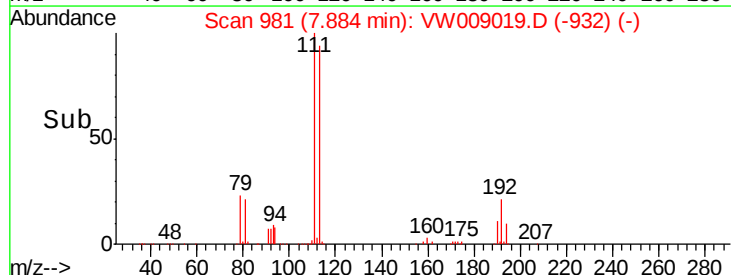
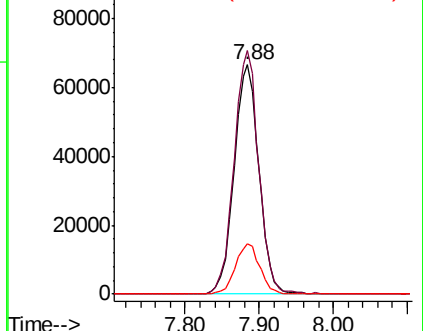
192 21.6 16.7 25.1

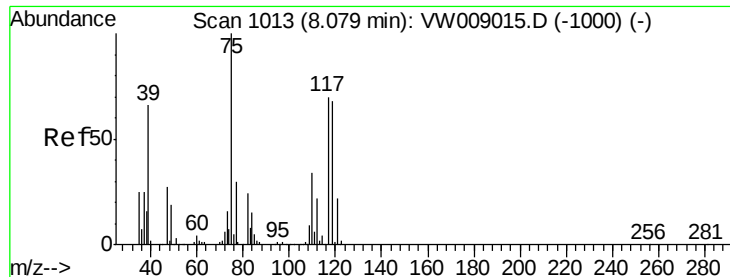


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

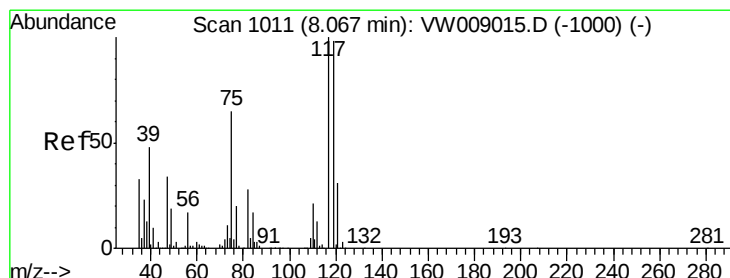
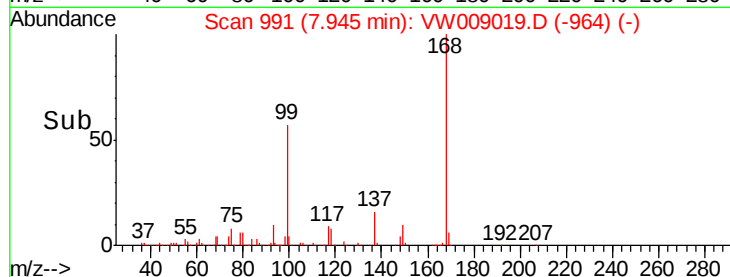
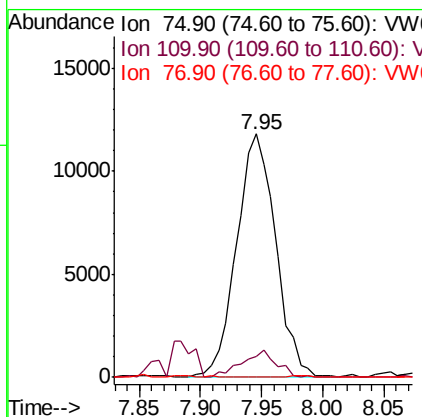
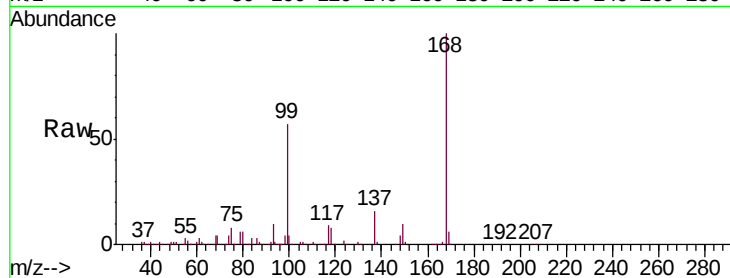




#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009019.D
 Acq: 06 Mar 2019 16:47

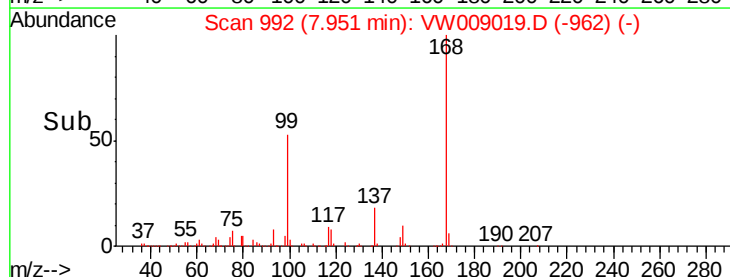
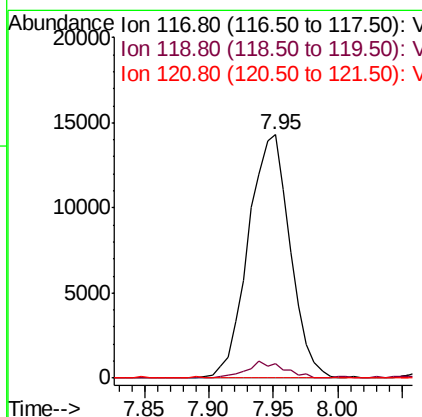
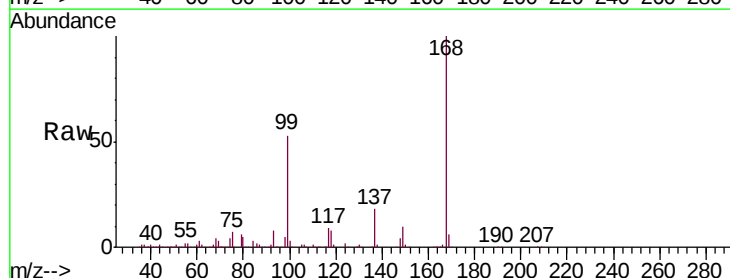
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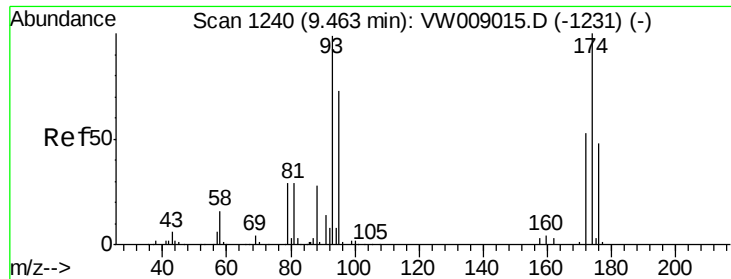
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.3	51.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.960 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009019.D
 Acq: 06 Mar 2019 16:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.4	117.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 7.445 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW009019.D

Acq: 06 Mar 2019 16:47

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBL01

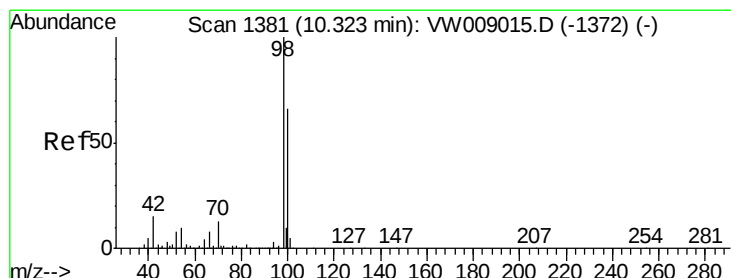
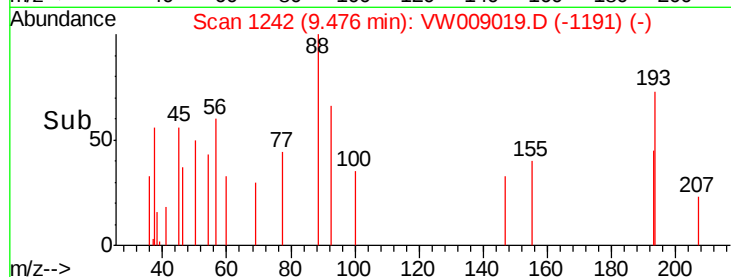
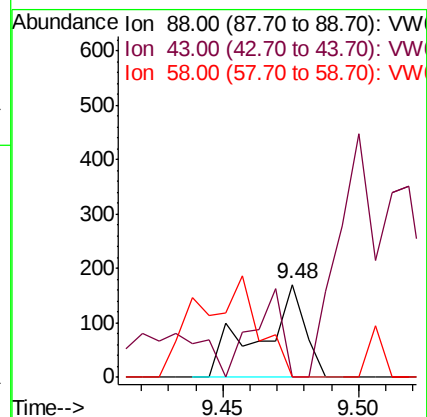
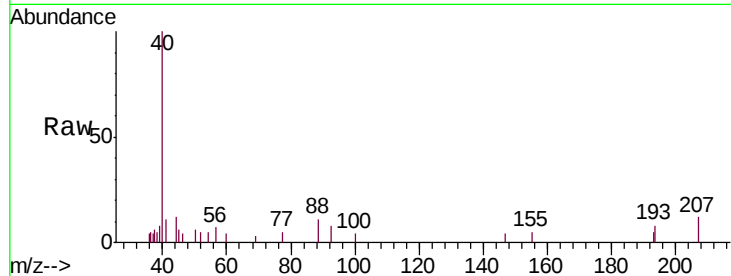
Tgt Ion: 88 Resp: 195

Ion Ratio Lower Upper

88 100

43 63.1 0.0 0.0#

58 145.6 55.0 82.6#



#50

Toluene-d8

Concen: 47.990 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009019.D

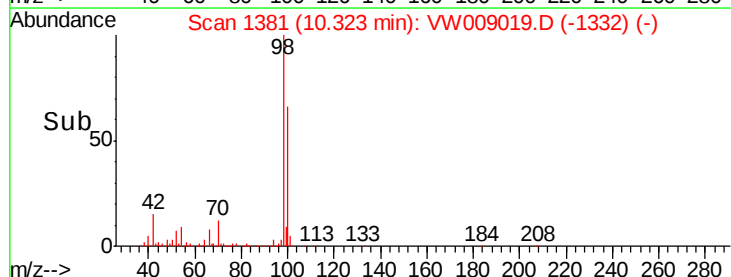
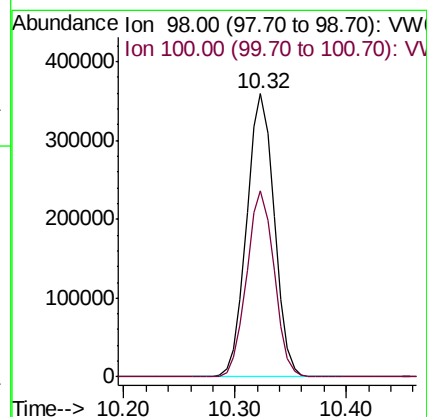
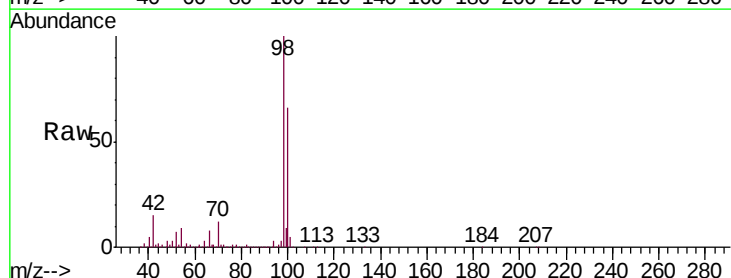
Acq: 06 Mar 2019 16:47

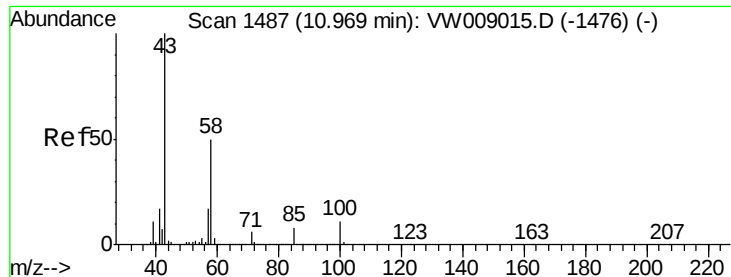
Tgt Ion: 98 Resp: 620122

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3

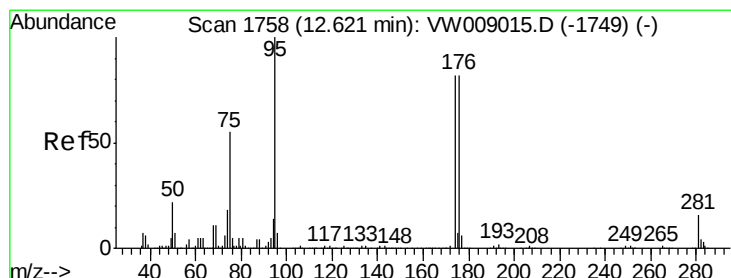
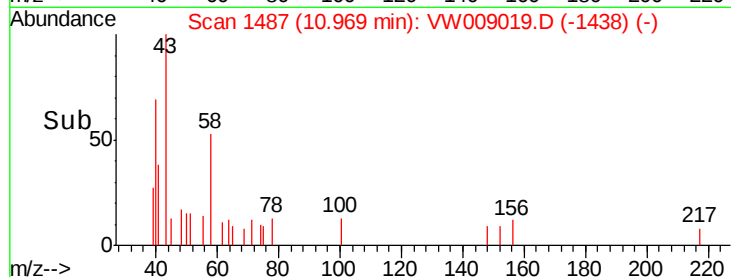
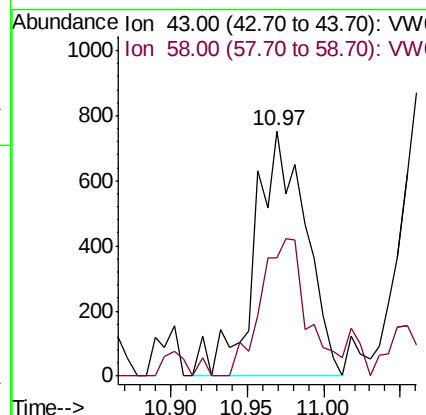
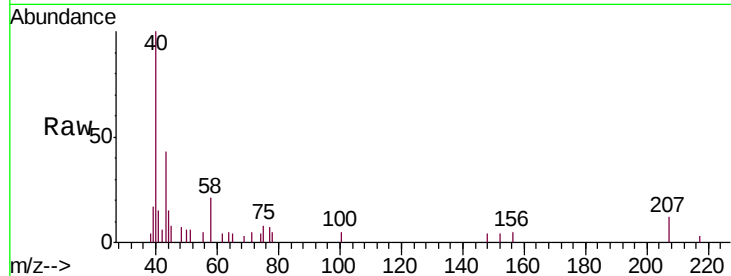




#59
2-Hexanone
Concen: 1.090 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

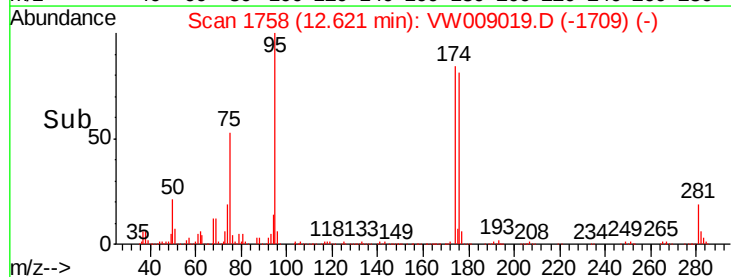
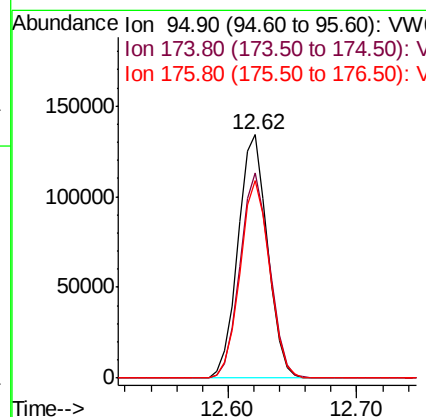
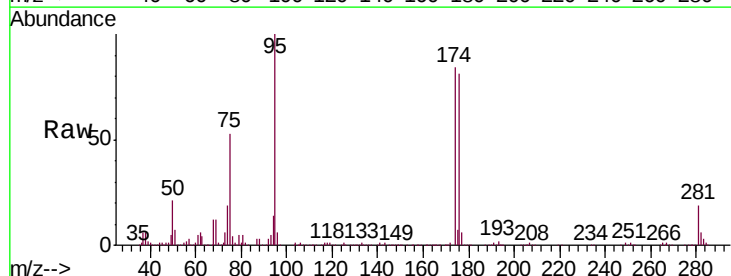
Instrument :
MSVOA_W
ClientSampleId :
VW0306SBL01

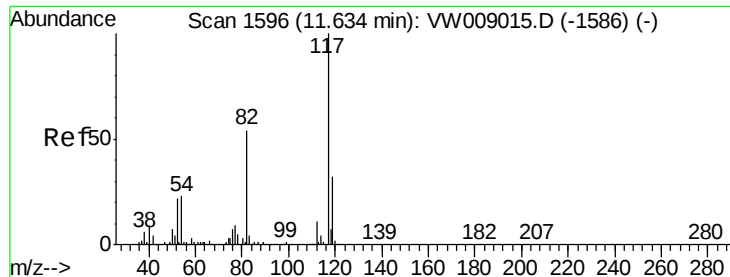
Tgt Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
58 51.3 25.3 75.8



#62
4-Bromofluorobenzene
Concen: 42.837 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

Tgt Ion: 95 Resp: 213779
Ion Ratio Lower Upper
95 100
174 84.1 0.0 165.8
176 80.8 0.0 159.8

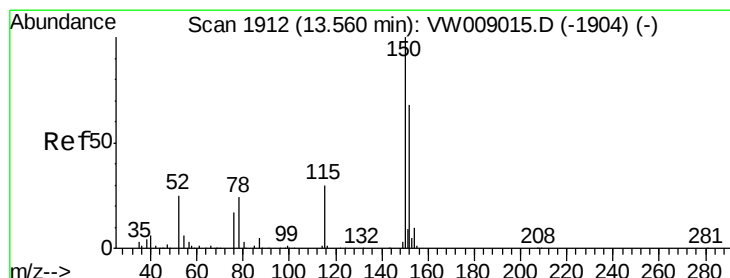
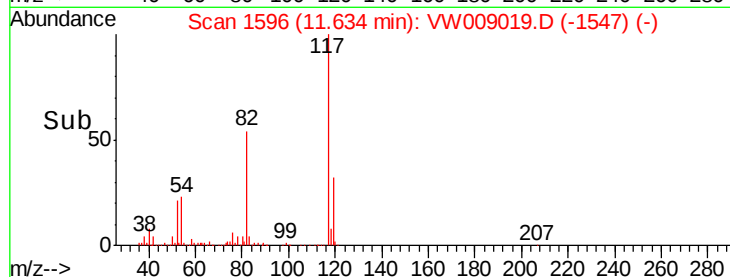
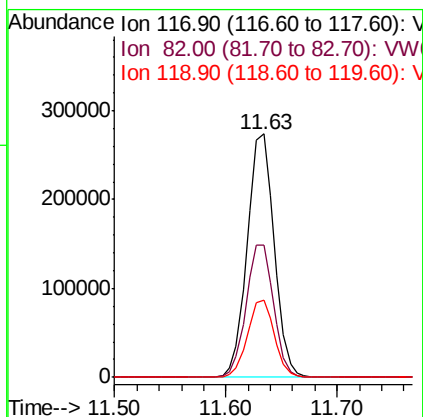
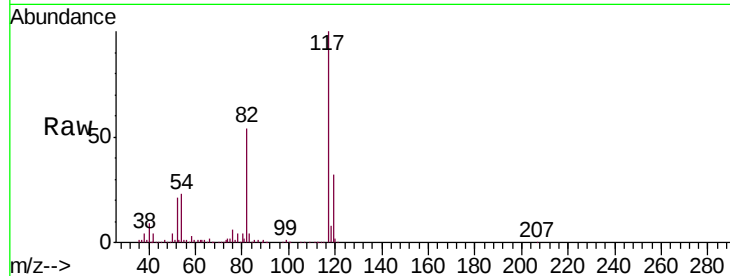




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

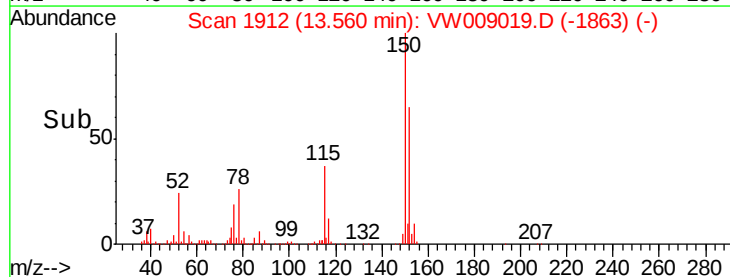
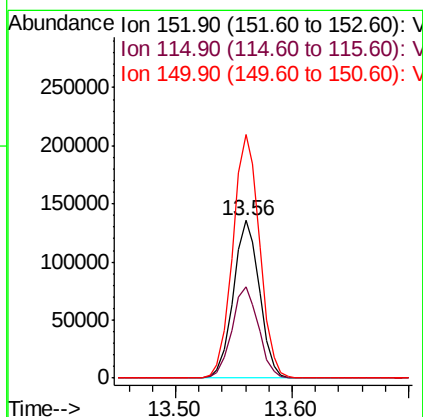
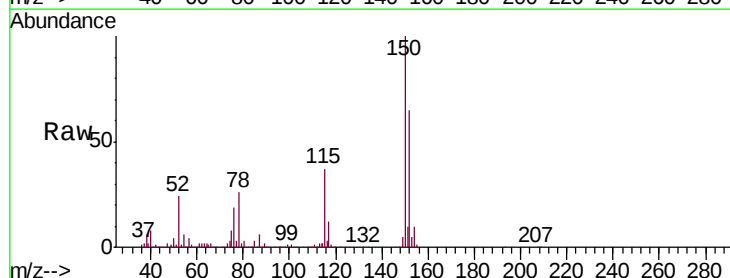
Instrument :
MSVOA_W
ClientSampleId :
VW0306SBL01

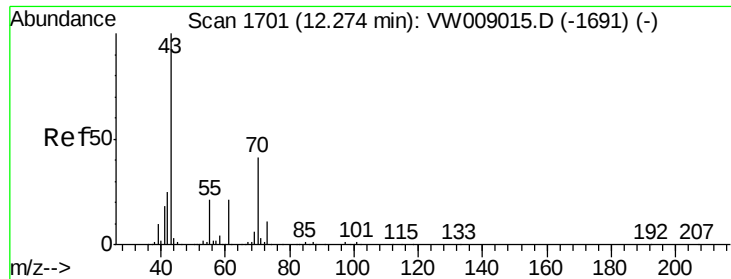
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.4	65.2
119	31.7	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.3	87.8
150	157.4	0.0	348.6

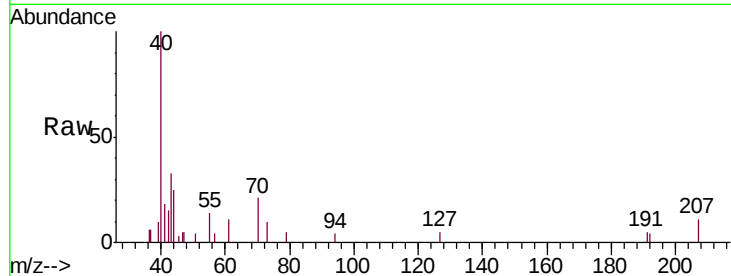




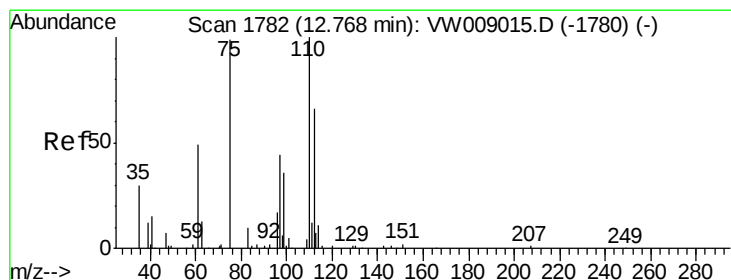
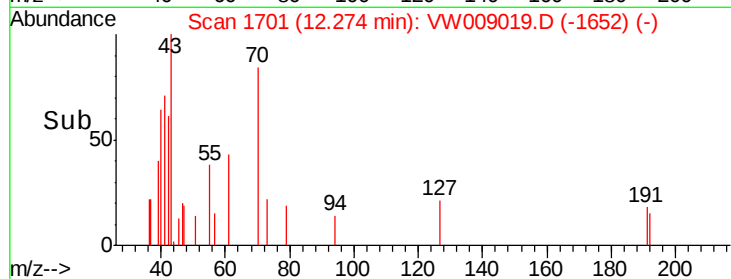
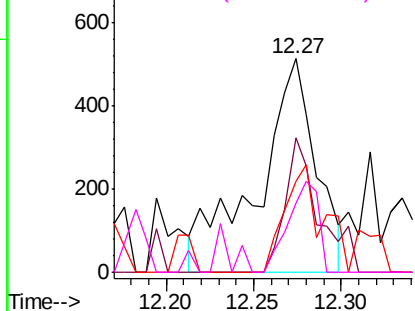
#74
N-ethyl acetate
Concen: 4.499 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBL01

Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
70 36.7 31.2 46.8
55 32.8 18.0 27.0#
61 22.3 17.3 25.9

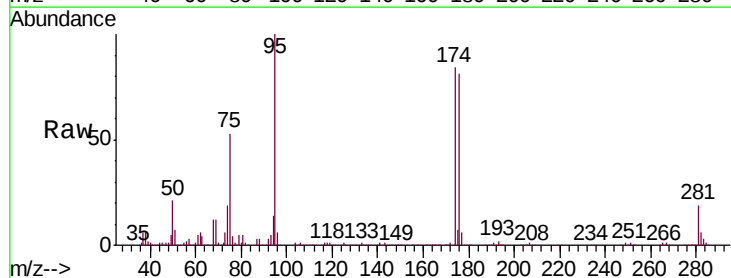


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW

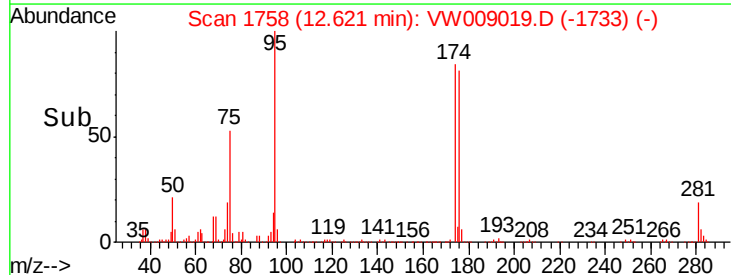
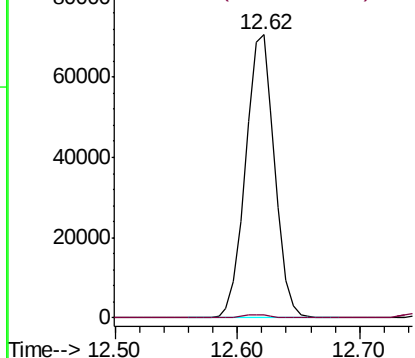


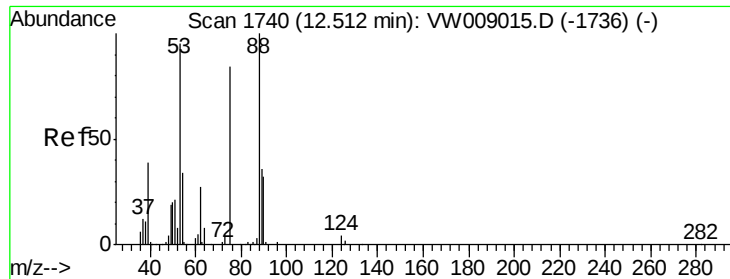
#76
1,2,3-Trichloropropane
Concen: 68.847 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

Tgt Ion: 75 Resp: 116148
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

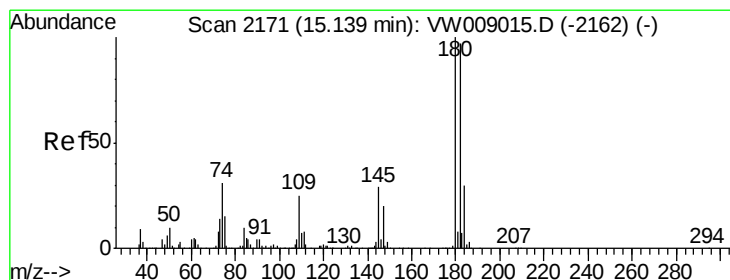
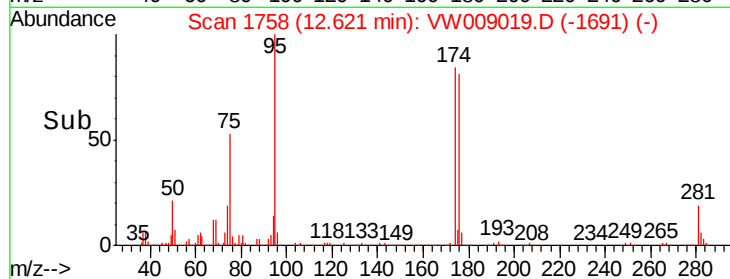
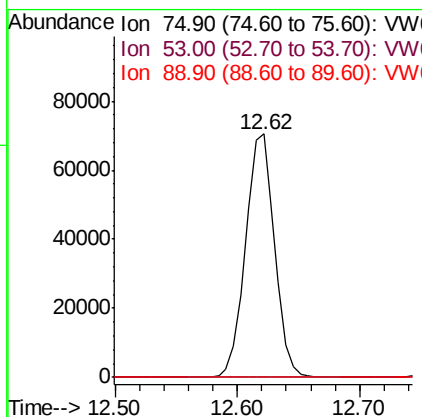
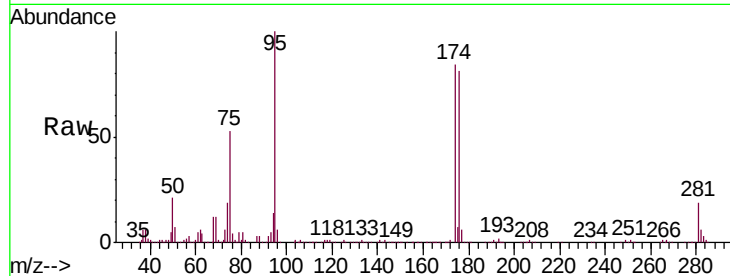




#81
trans-1,4-Dichloro-2-butene
Concen: 139.682 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

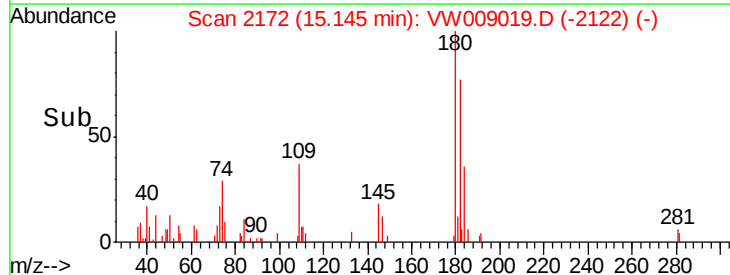
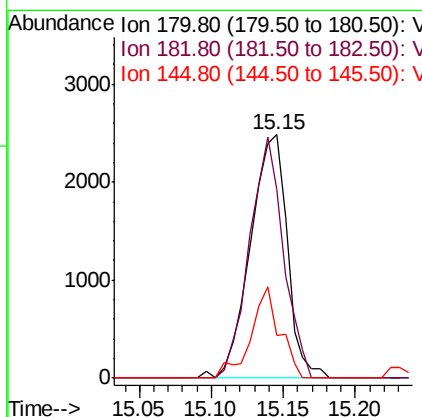
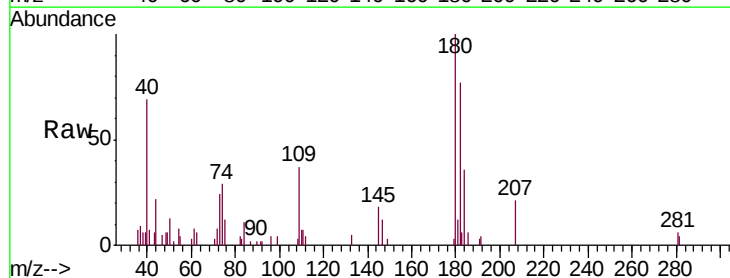
Instrument :
MSVOA_W
ClientSampleId :
VW0306SBL01

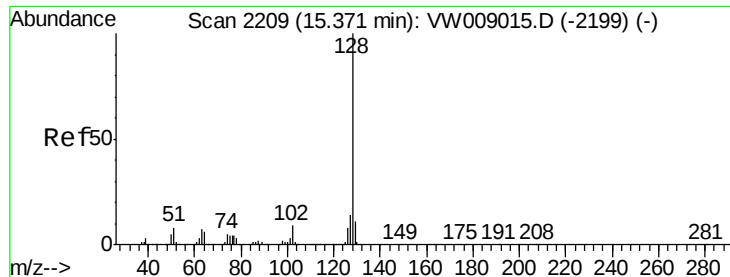
Tgt Ion: 75 Resp: 116148
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.1 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 1.037 ug/l
RT: 15.15 min Scan# 2172
Delta R.T. 0.01 min
Lab File: VW009019.D
Acq: 06 Mar 2019 16:47

Tgt Ion: 180 Resp: 4388
Ion Ratio Lower Upper
180 100
182 91.0 47.6 142.9
145 29.3 14.7 44.1





#95

Naphthalene

Concen: 1.114 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009019.D

Acq: 06 Mar 2019 16:47

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBL01

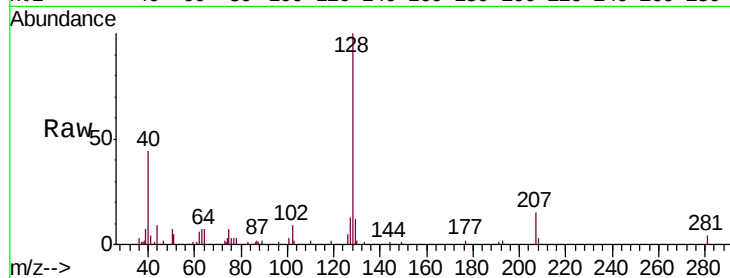
Tgt Ion:128 Resp: 7638

Ion Ratio Lower Upper

128 100

127 14.4 11.0 16.4

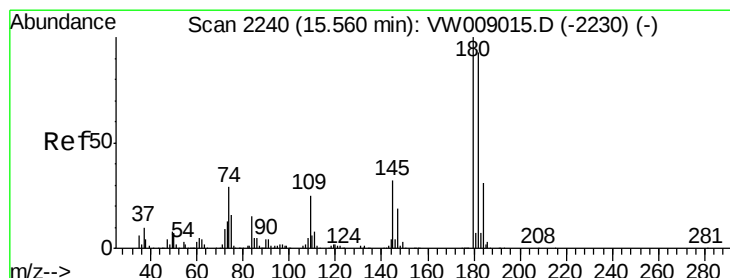
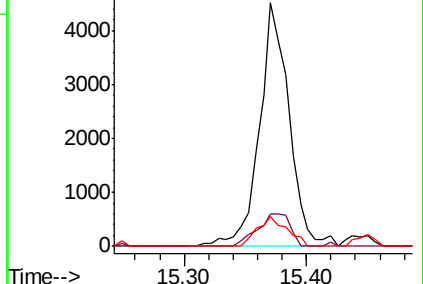
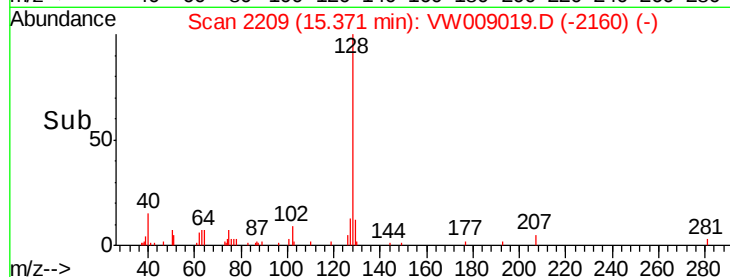
129 12.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.072 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW009019.D

Acq: 06 Mar 2019 16:47

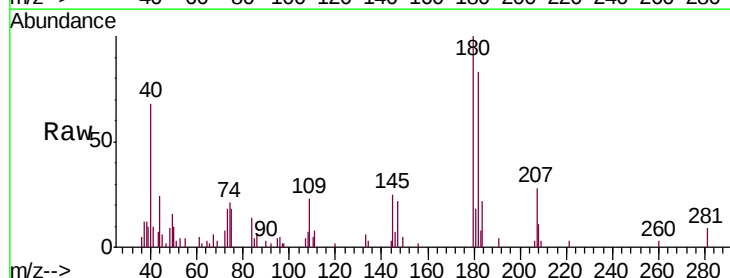
Tgt Ion:180 Resp: 3927

Ion Ratio Lower Upper

180 100

182 96.9 47.3 141.8

145 30.6 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

