

Data File : VW005143.D
Acq On : 05 Sep 2018 21:18
Operator : SY/AP
Sample : J4712-10RE
Misc : 5.31G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-02RE

Quant Time: Sep 06 01:22:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	469865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	790698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	769019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	333114	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	294376	75.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.16%	
35) Dibromofluoromethane	7.89	113	249741	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
50) Toluene-d8	10.33	98	1041388	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.63	95	339358	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	

Target Compounds

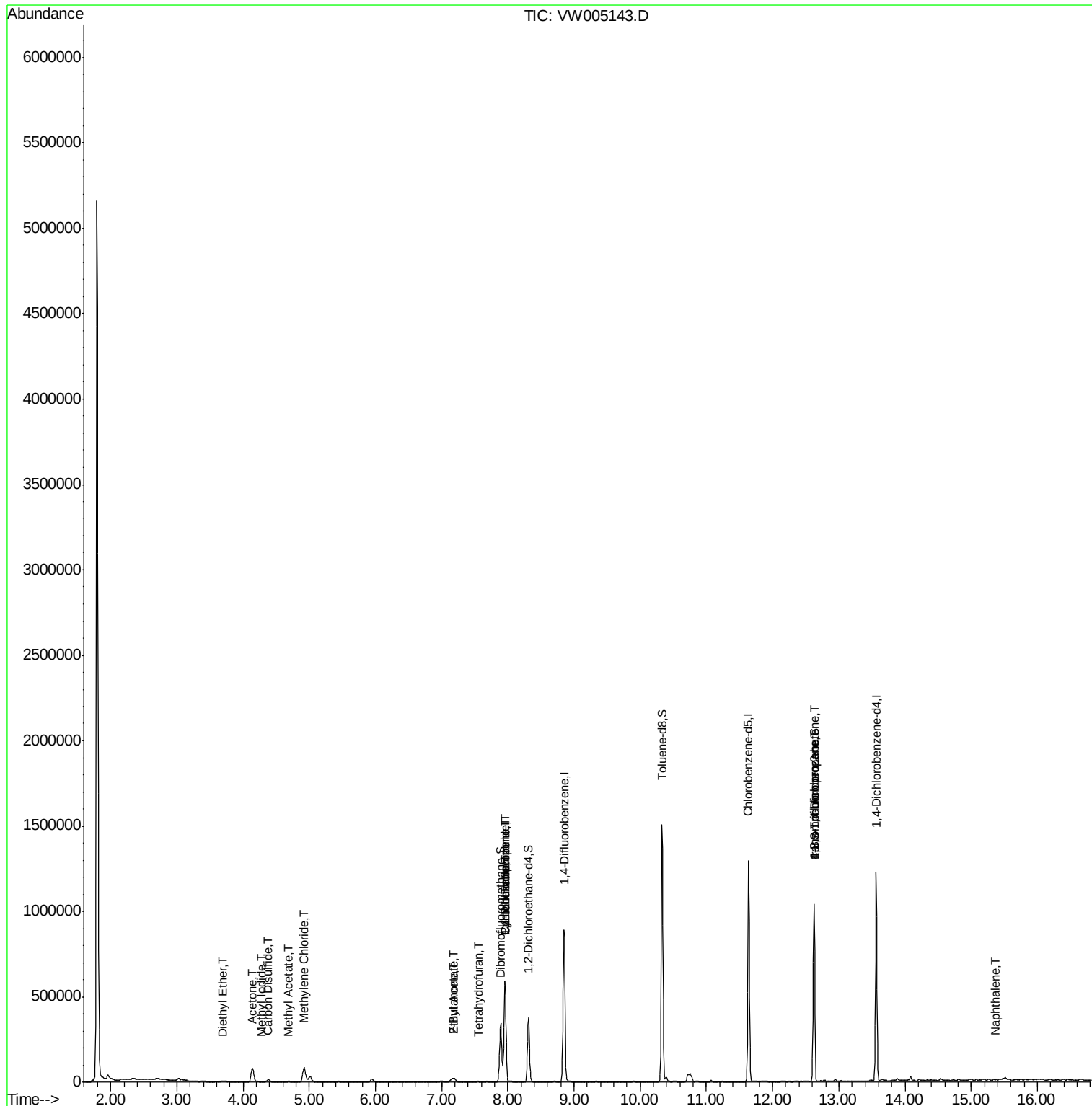
					Qvalue	
5) Bromomethane	2.76	94	1413	Below Cal	#	18
8) Diethyl Ether	3.69	74	2197	1.010	ug/l	83
10) Methyl Iodide	4.28	142	19	3.822	ug/l #	44
11) Tert butyl alcohol	5.18	59	166	Below Cal	#	72
16) Acetone	4.14	43	140040	179.279	ug/l	98
17) Carbon Disulfide	4.38	76	27957	2.112	ug/l	100
18) Methyl Acetate	4.69	43	3600	1.567	ug/l	92
20) Methylene Chloride	4.92	84	66109	9.364	ug/l	94
25) 2-Butanone	7.19	43	30331	22.387	ug/l	94
29) Tetrahydrofuran	7.55	42	1387	2.004	ug/l #	82
31) Cyclohexane	7.95	56	8863	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	33302	4.422	ug/l #	47
37) Ethyl Acetate	7.19	43	30331	10.770	ug/l #	67
38) Carbon Tetrachloride	7.96	117	42996	6.005	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	159404	63.751	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	159404	153.441	ug/l #	15
95) Naphthalene	15.38	128	2509	4.172	ug/l	97

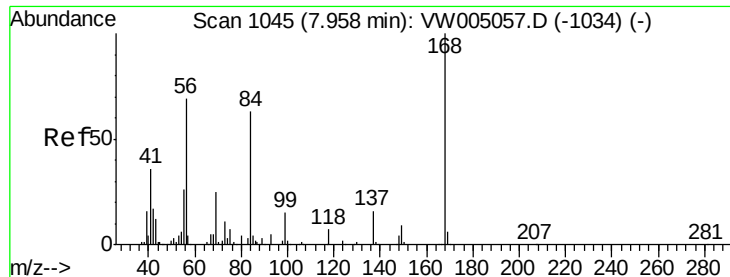
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005143.D

Acq: 05 Sep 2018 21:18

Instrument :

MSVOA_W

ClientSampleId :

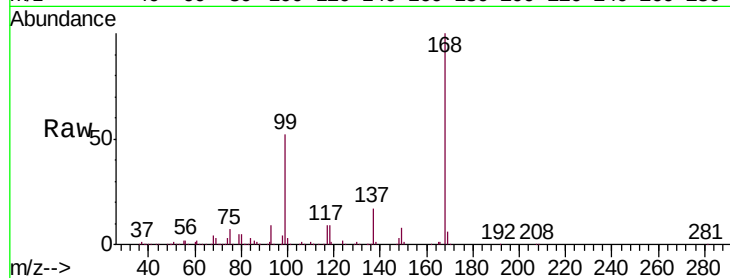
SB-02RE

Tgt Ion:168 Resp: 469865

Ion Ratio Lower Upper

168 100

99 51.8 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

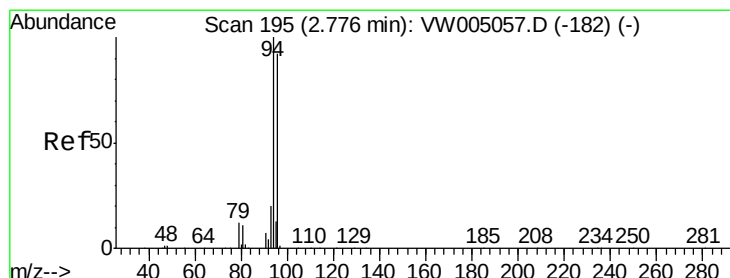
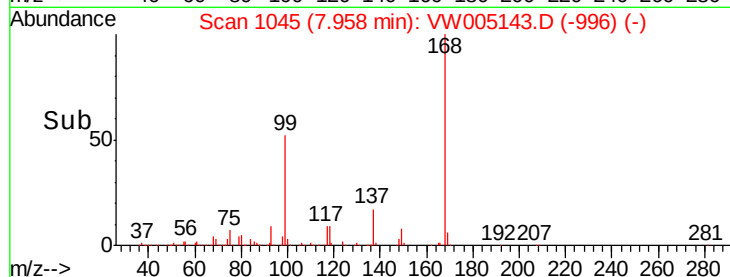
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 192

Delta R.T. -0.02 min

Lab File: VW005143.D

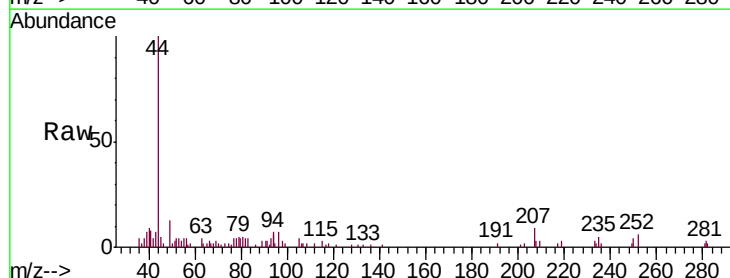
Acq: 05 Sep 2018 21:18

Tgt Ion: 94 Resp: 1413

Ion Ratio Lower Upper

94 100

96 13.4 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

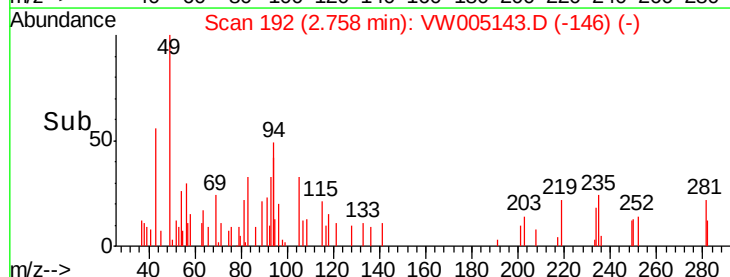
600

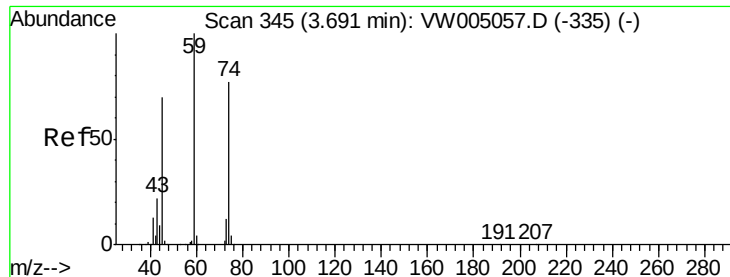
400

200

0

Time--> 2.70 2.75 2.80





#8

Diethyl Ether

Concen: 1.010 ug/l

RT: 3.69 min Scan# 345

Delta R.T. -0.00 min

Lab File: VW005143.D

Acq: 05 Sep 2018 21:18

Instrument :

MSVOA_W

ClientSampled :

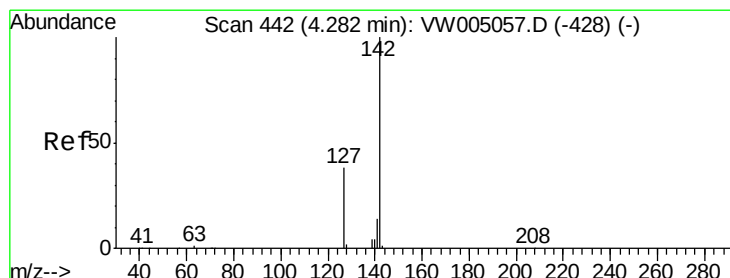
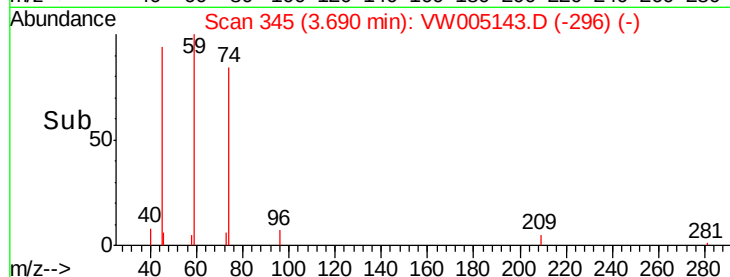
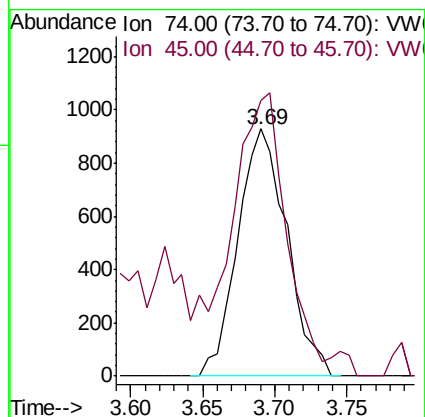
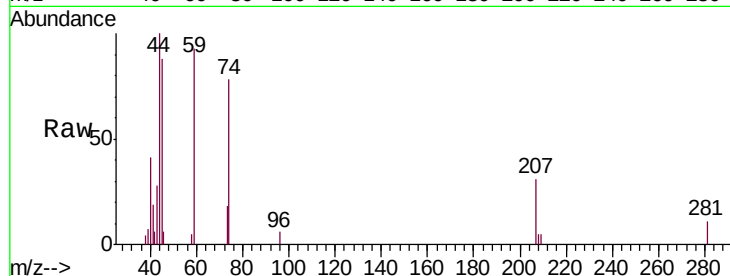
SB-02RE

Tgt Ion: 74 Resp: 2197

Ion Ratio Lower Upper

74 100

45 108.2 46.0 137.8



#10

Methyl Iodide

Concen: 3.822 ug/l

RT: 4.28 min Scan# 441

Delta R.T. -0.01 min

Lab File: VW005143.D

Acq: 05 Sep 2018 21:18

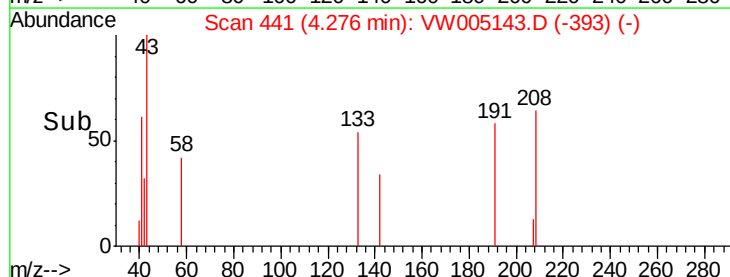
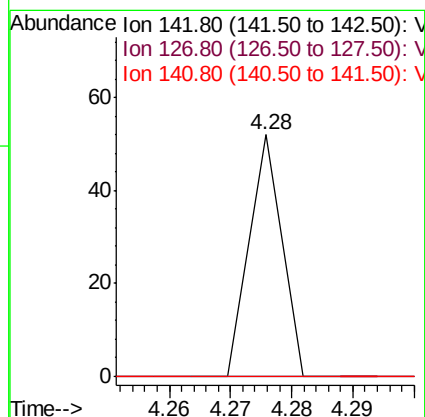
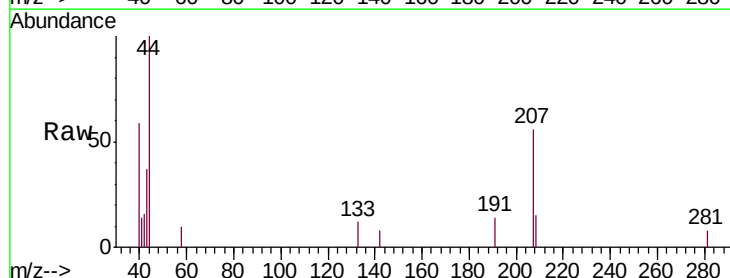
Tgt Ion: 142 Resp: 19

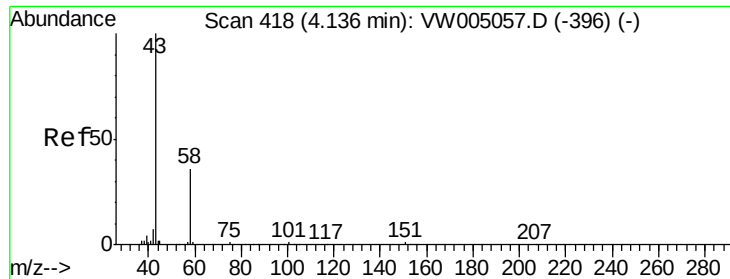
Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

141 0.0 11.6 17.4#





#16

Acetone

Concen: 179.279 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW005143.D

Acq: 05 Sep 2018 21:18

Instrument :

MSVOA_W

ClientSampled :

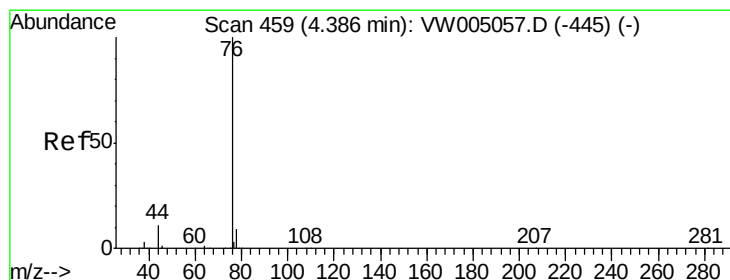
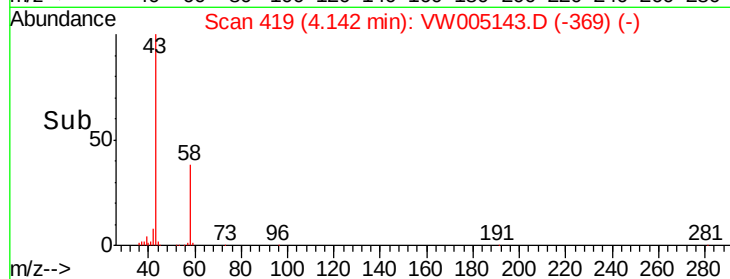
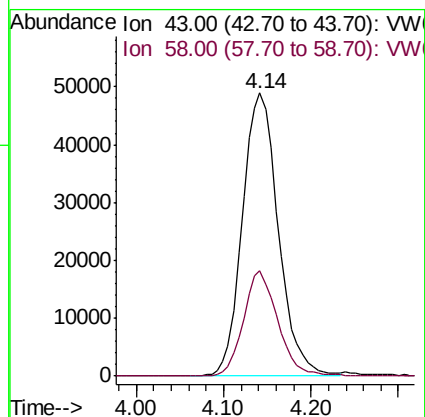
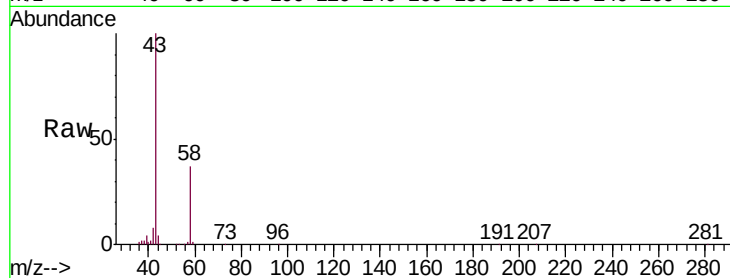
SB-02RE

Tgt Ion: 43 Resp: 140040

Ion Ratio Lower Upper

43 100

58 37.5 29.0 43.6



#17

Carbon Disulfide

Concen: 2.112 ug/l

RT: 4.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: VW005143.D

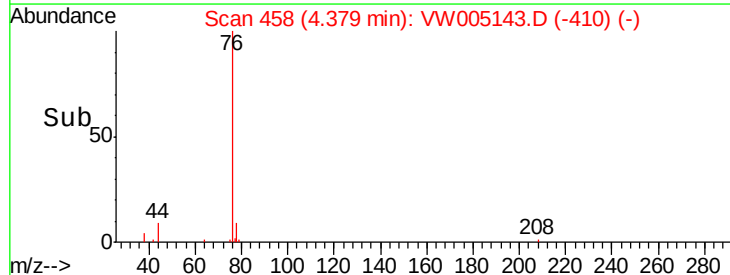
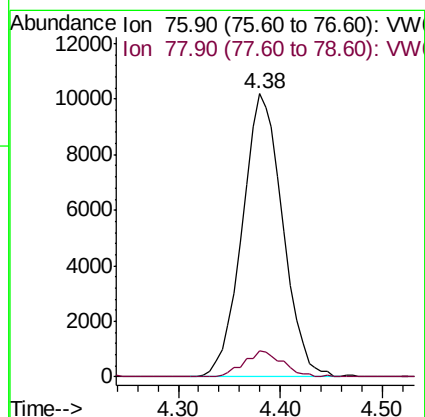
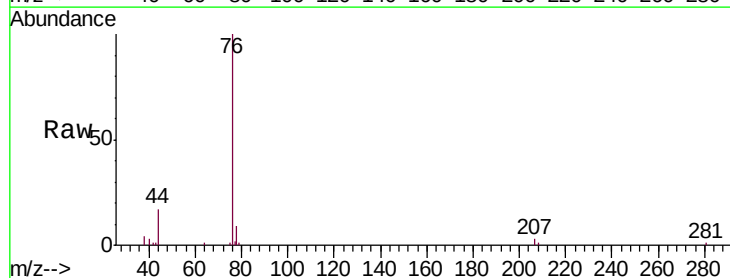
Acq: 05 Sep 2018 21:18

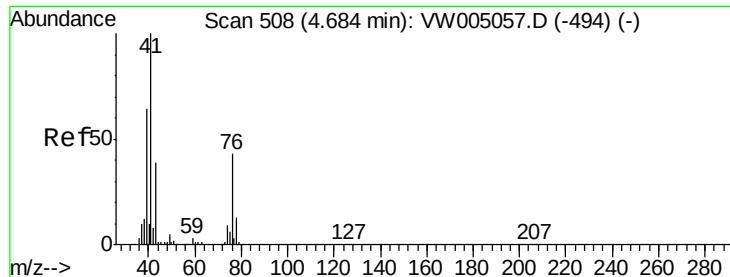
Tgt Ion: 76 Resp: 27957

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

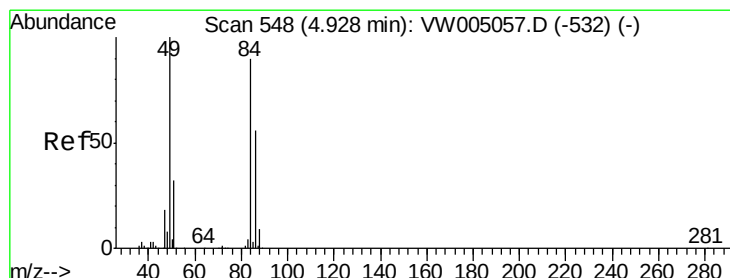
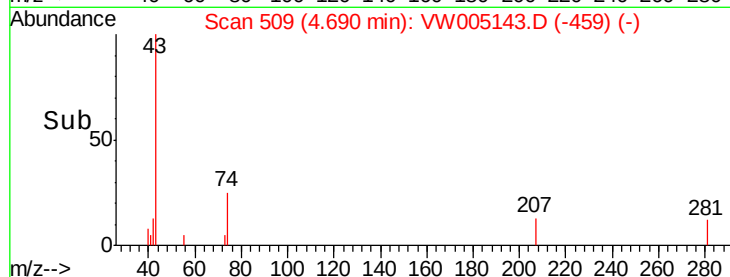
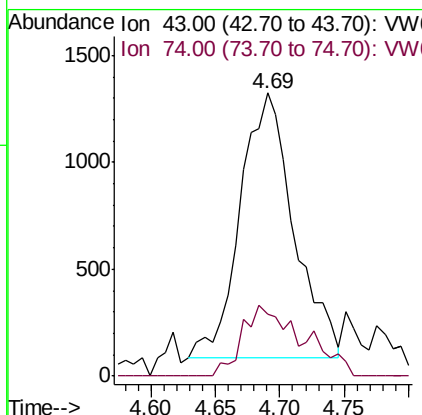
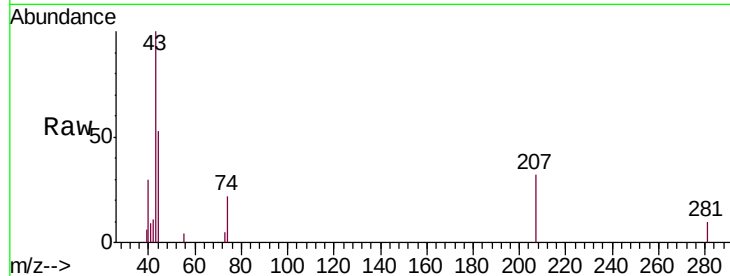




#18
Methyl Acetate
Concen: 1.567 ug/l
RT: 4.69 min Scan# 509
Delta R.T. 0.01 min
Lab File: VW005143.D
Acq: 05 Sep 2018 21:18

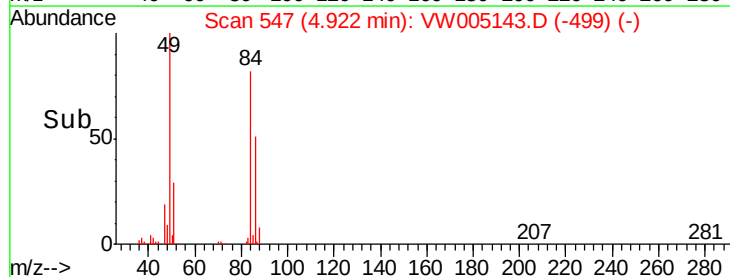
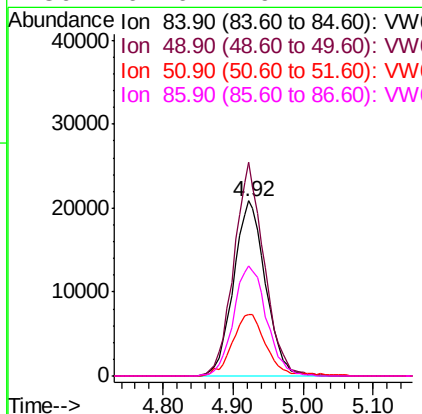
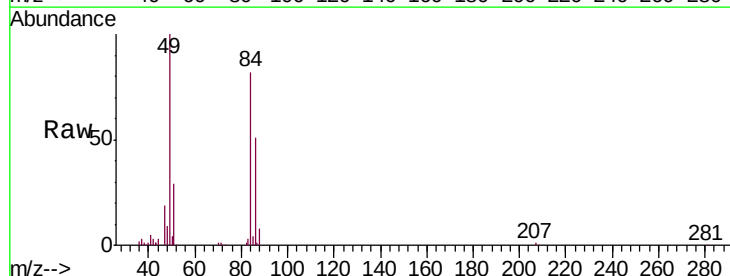
Instrument :
MSVOA_W
ClientSampled :
SB-02RE

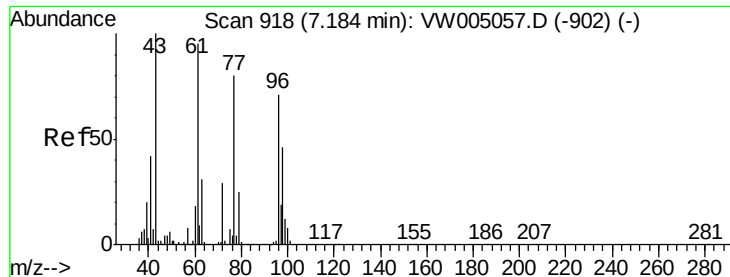
Tgt Ion: 43 Resp: 3600
Ion Ratio Lower Upper
43 100
74 29.9 20.7 31.1



#20
Methylene Chloride
Concen: 9.364 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005143.D
Acq: 05 Sep 2018 21:18

Tgt Ion: 84 Resp: 66109
Ion Ratio Lower Upper
84 100
49 122.0 88.7 133.1
51 35.0 28.6 42.8
86 62.6 49.4 74.2

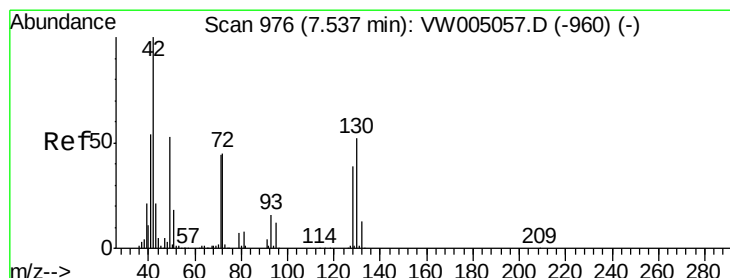
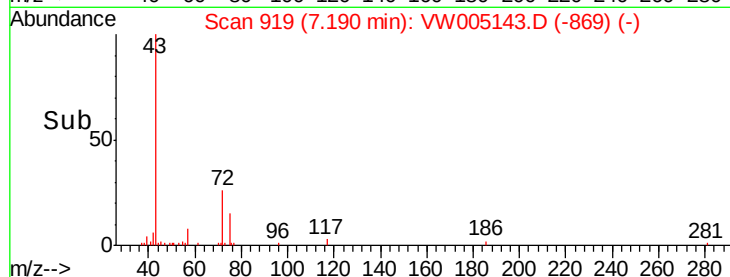
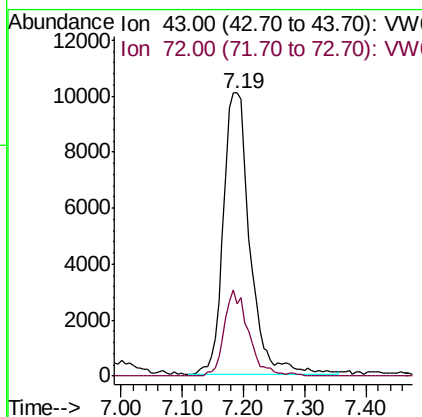
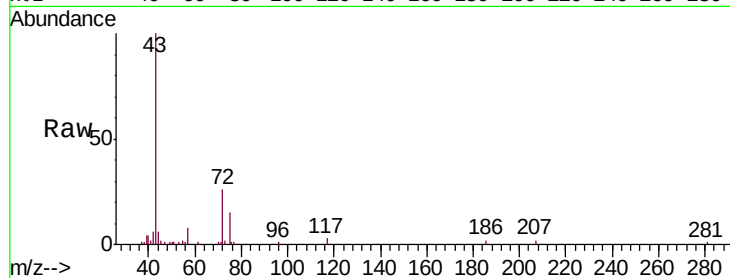




#25
2-Butanone
Concen: 22.387 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW005143.D
Acq: 05 Sep 2018 21:18

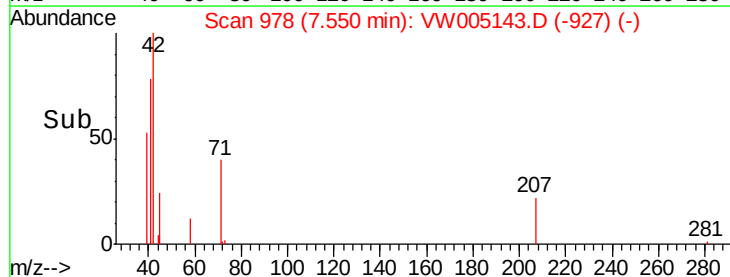
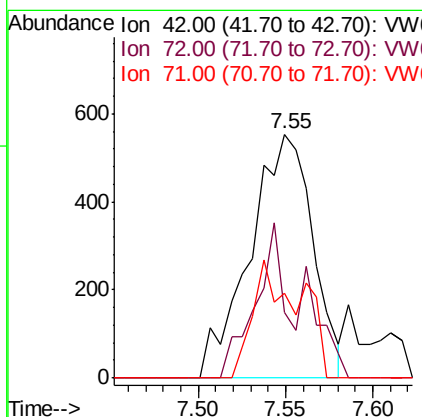
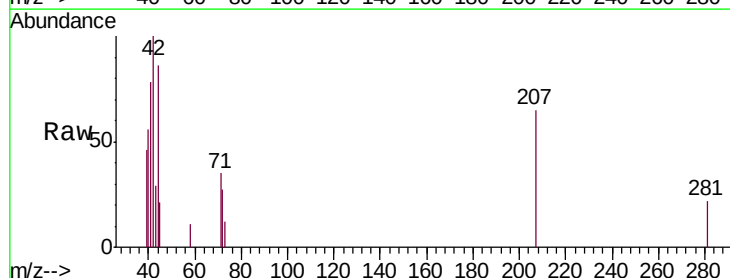
Instrument :
MSVOA_W
ClientSampled :
SB-02RE

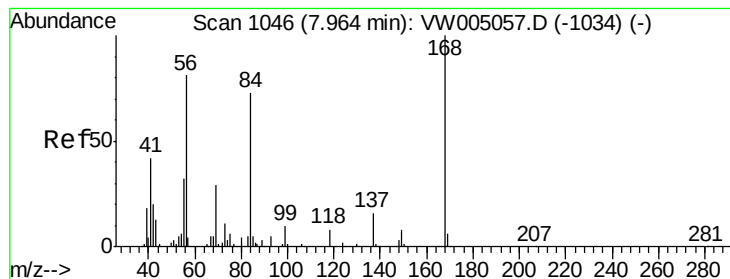
Tgt Ion: 43 Resp: 30331
Ion Ratio Lower Upper
43 100
72 25.8 23.1 34.7



#29
Tetrahydrofuran
Concen: 2.004 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW005143.D
Acq: 05 Sep 2018 21:18

Tgt Ion: 42 Resp: 1387
Ion Ratio Lower Upper
42 100
72 30.4 37.0 55.4#
71 36.6 35.0 52.6





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005143.D

Acq: 05 Sep 2018 21:18

Instrument :

MSVOA_W

ClientSampled :

SB-02RE

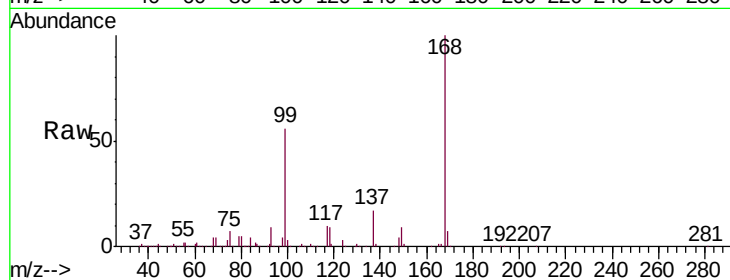
Tgt Ion: 56 Resp: 8863

Ion Ratio Lower Upper

56 100

69 171.1 28.2 42.2#

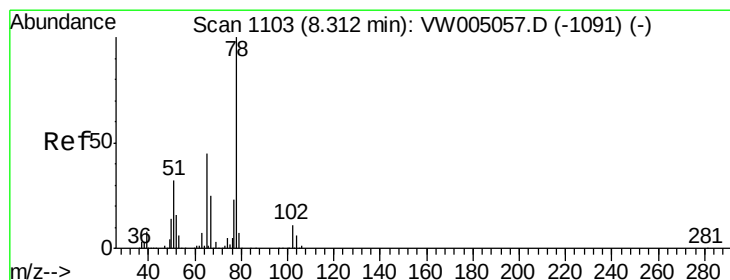
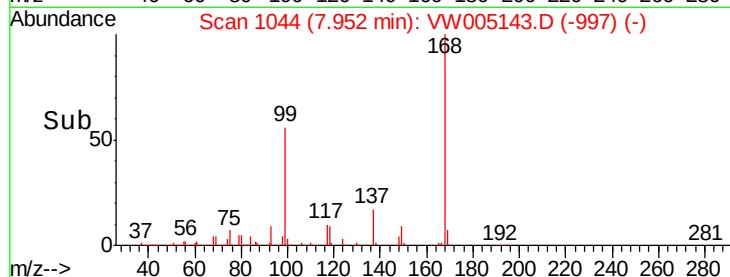
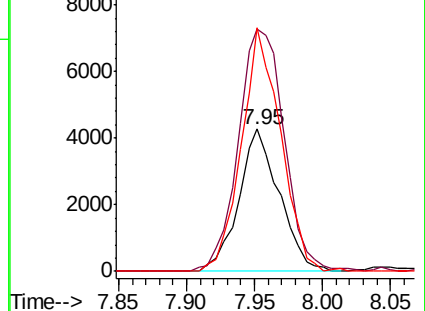
84 171.6 71.8 107.8#



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: 75.578 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005143.D

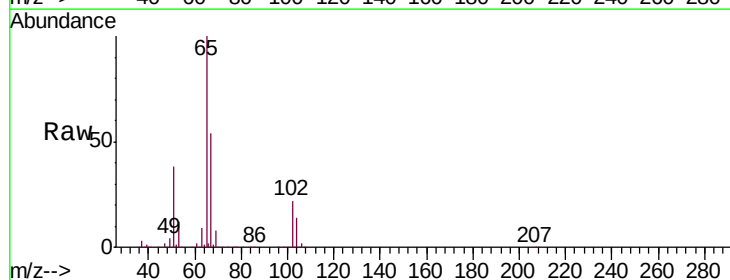
Acq: 05 Sep 2018 21:18

Tgt Ion: 65 Resp: 294376

Ion Ratio Lower Upper

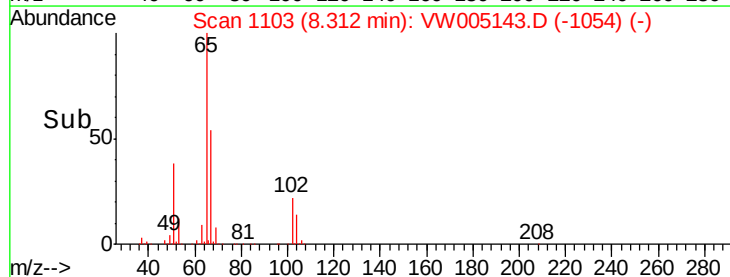
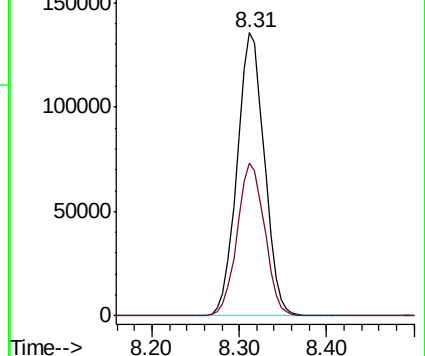
65 100

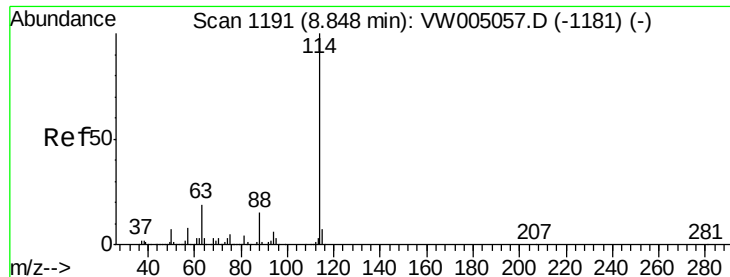
67 54.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

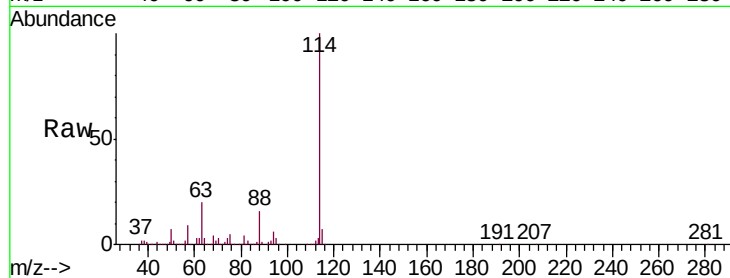




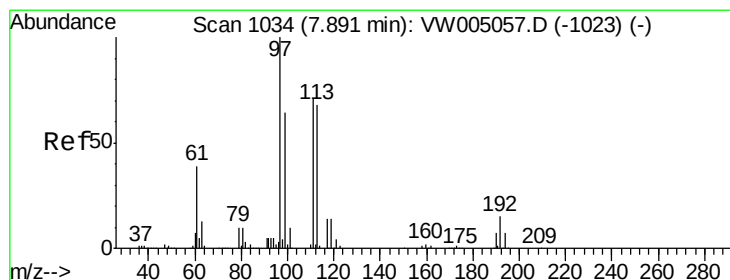
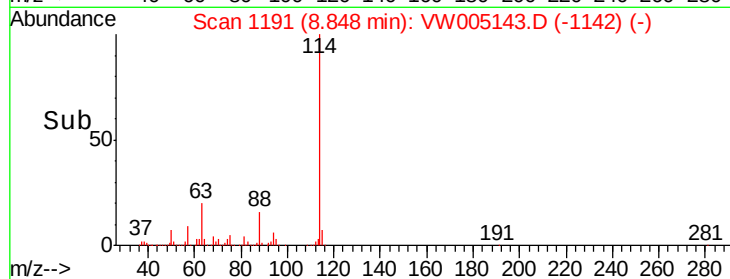
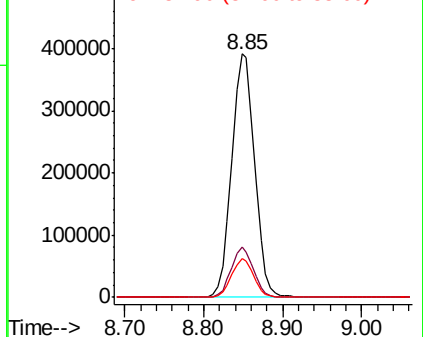
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005143.D
 Acq: 05 Sep 2018 21:18

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	38.0
88	16.0	0.0	30.2

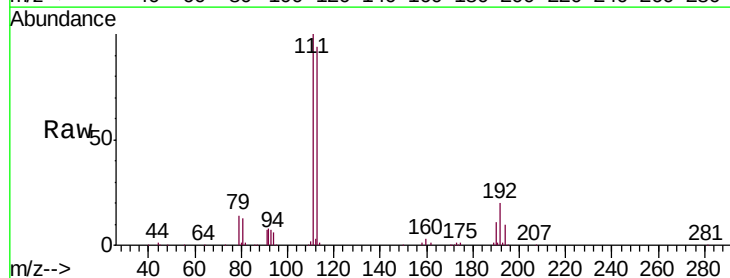


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

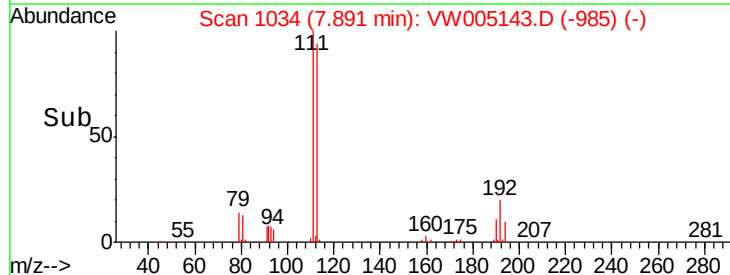
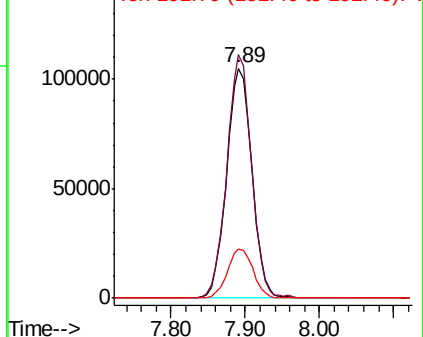


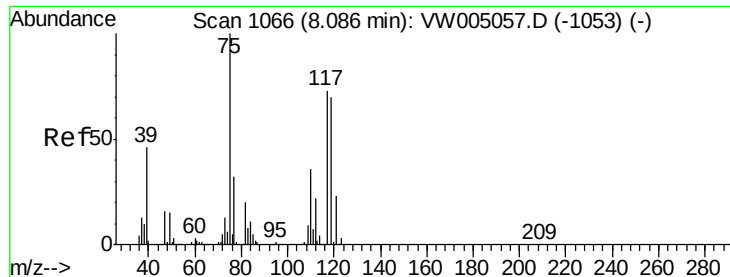
#35
 Dibromofluoromethane
 Concen: 54.656 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005143.D
 Acq: 05 Sep 2018 21:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.2
192	21.7	18.1	27.1



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: 4.422 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW005143.D

Acq: 05 Sep 2018 21:18

Instrument :

MSVOA_W

ClientSampleId :

SB-02RE

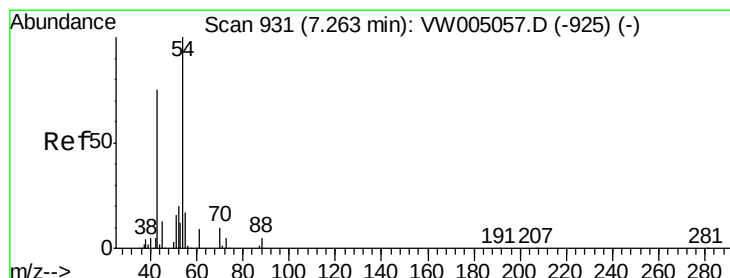
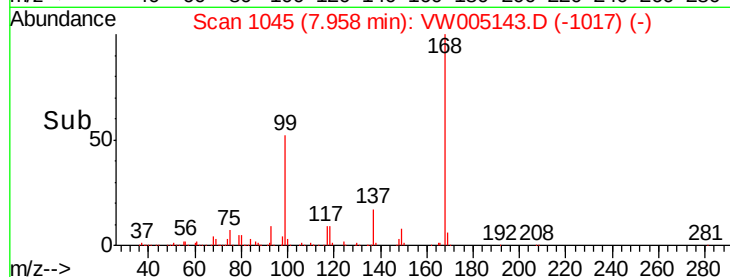
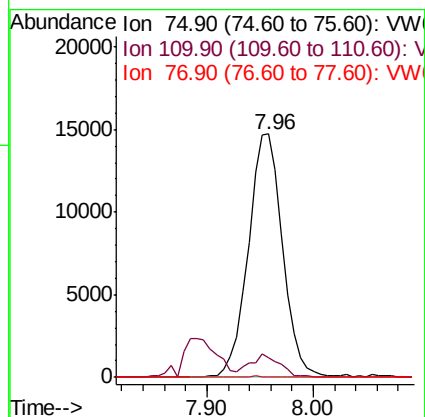
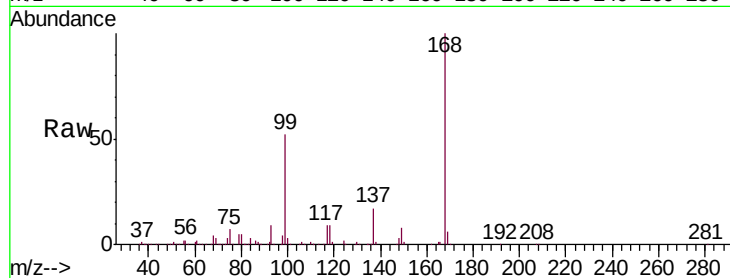
Tgt Ion: 75 Resp: 33302

Ion Ratio Lower Upper

75 100

110 8.3 18.9 56.7#

77 0.1 25.5 38.3#



#37

Ethyl Acetate

Concen: 10.770 ug/l

RT: 7.19 min Scan# 919

Delta R.T. -0.07 min

Lab File: VW005143.D

Acq: 05 Sep 2018 21:18

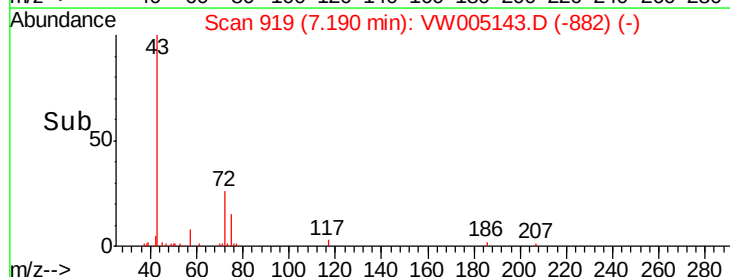
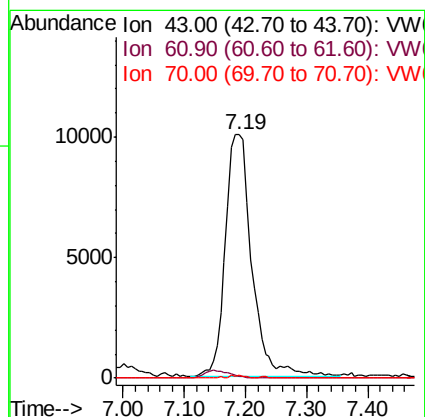
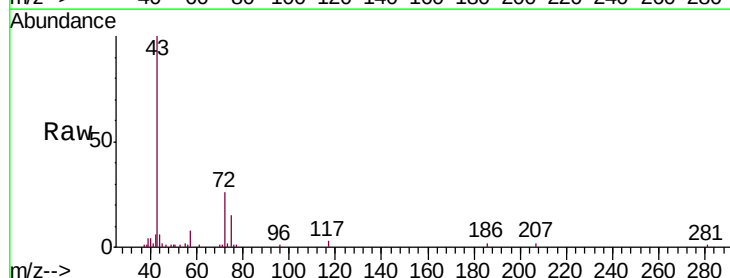
Tgt Ion: 43 Resp: 30331

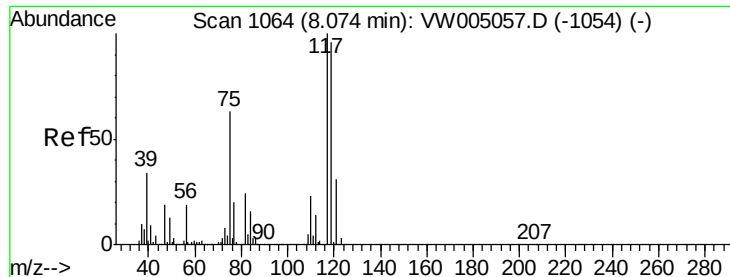
Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.6 9.4 14.2#





#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005143.D

Acq: 05 Sep 2018 21:18

Instrument :

MSVOA_W

ClientSampled :

SB-02RE

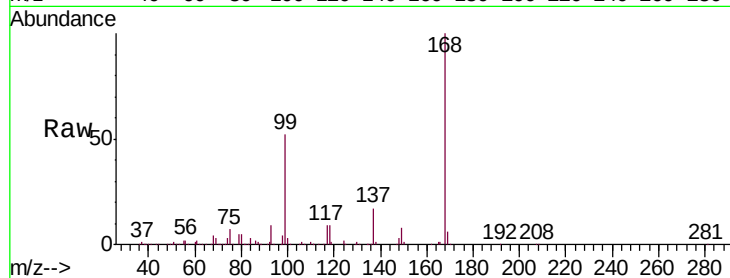
Tgt Ion:117 Resp: 42996

Ion Ratio Lower Upper

117 100

119 5.4 76.6 115.0#

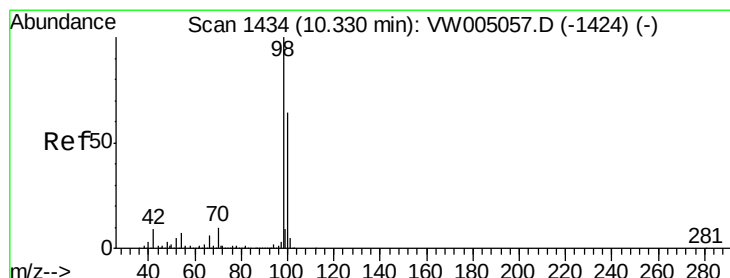
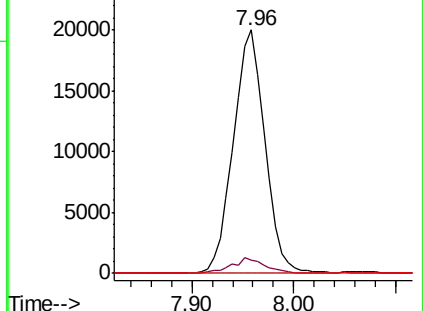
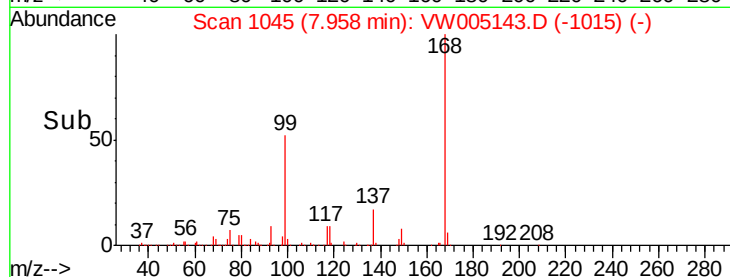
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.461 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005143.D

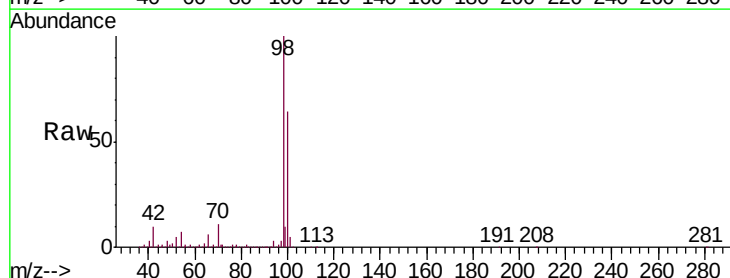
Acq: 05 Sep 2018 21:18

Tgt Ion: 98 Resp: 1041388

Ion Ratio Lower Upper

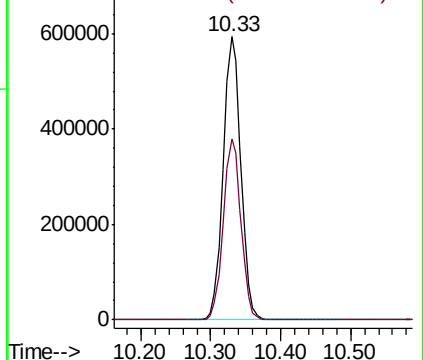
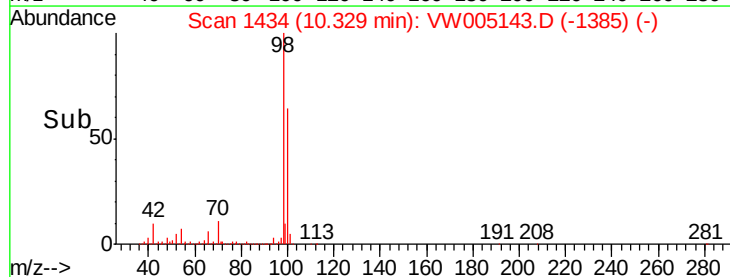
98 100

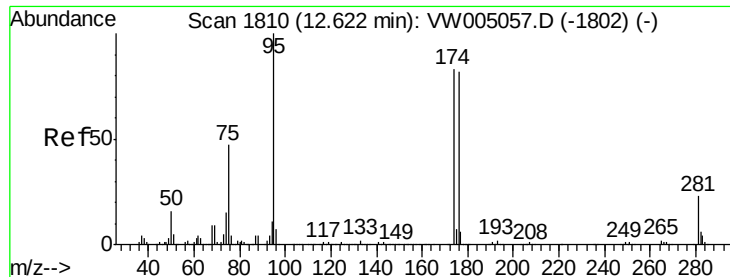
100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

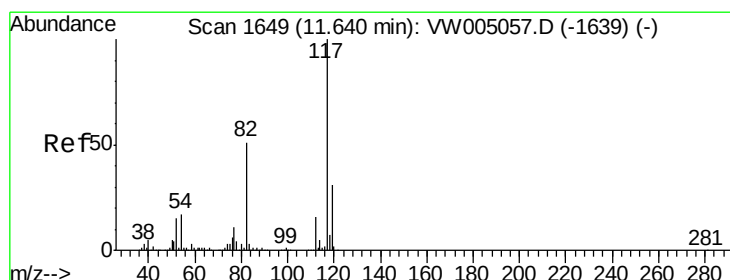
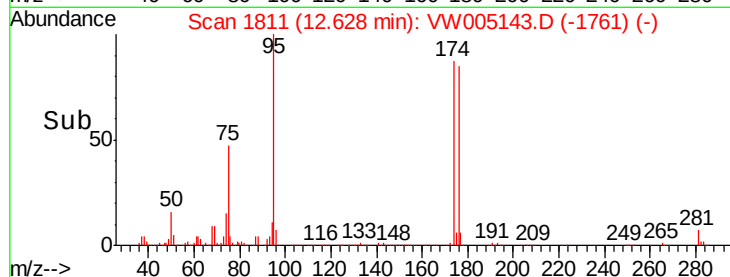
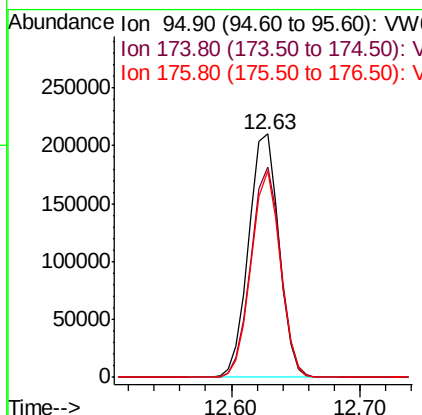
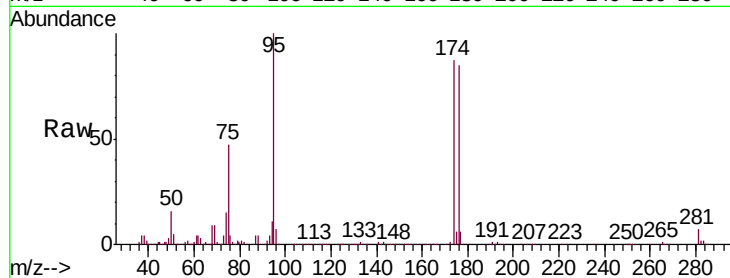




#62
4-Bromofluorobenzene
Concen: 45.711 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW005143.D
Acq: 05 Sep 2018 21:18

Instrument :
MSVOA_W
ClientSampled :
SB-02RE

Tgt Ion: 95 Resp: 339358
Ion Ratio Lower Upper
95 100
174 85.1 0.0 173.4
176 81.7 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005143.D
Acq: 05 Sep 2018 21:18

Tgt Ion: 117 Resp: 769019
Ion Ratio Lower Upper
117 100
82 53.7 40.9 61.3
119 32.1 24.9 37.3

