

Data File : VW004749.D
Acq On : 17 Aug 2018 22:47
Operator : SY/AP
Sample : J4282-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-01-081518-B

Quant Time: Aug 18 02:40:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	582865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	967367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	853350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	362087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	318003	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
35) Dibromofluoromethane	7.88	113	301440	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.33	98	1055523	43.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.46%	
62) 4-Bromofluorobenzene	12.62	95	319598	36.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.62%	

Target Compounds

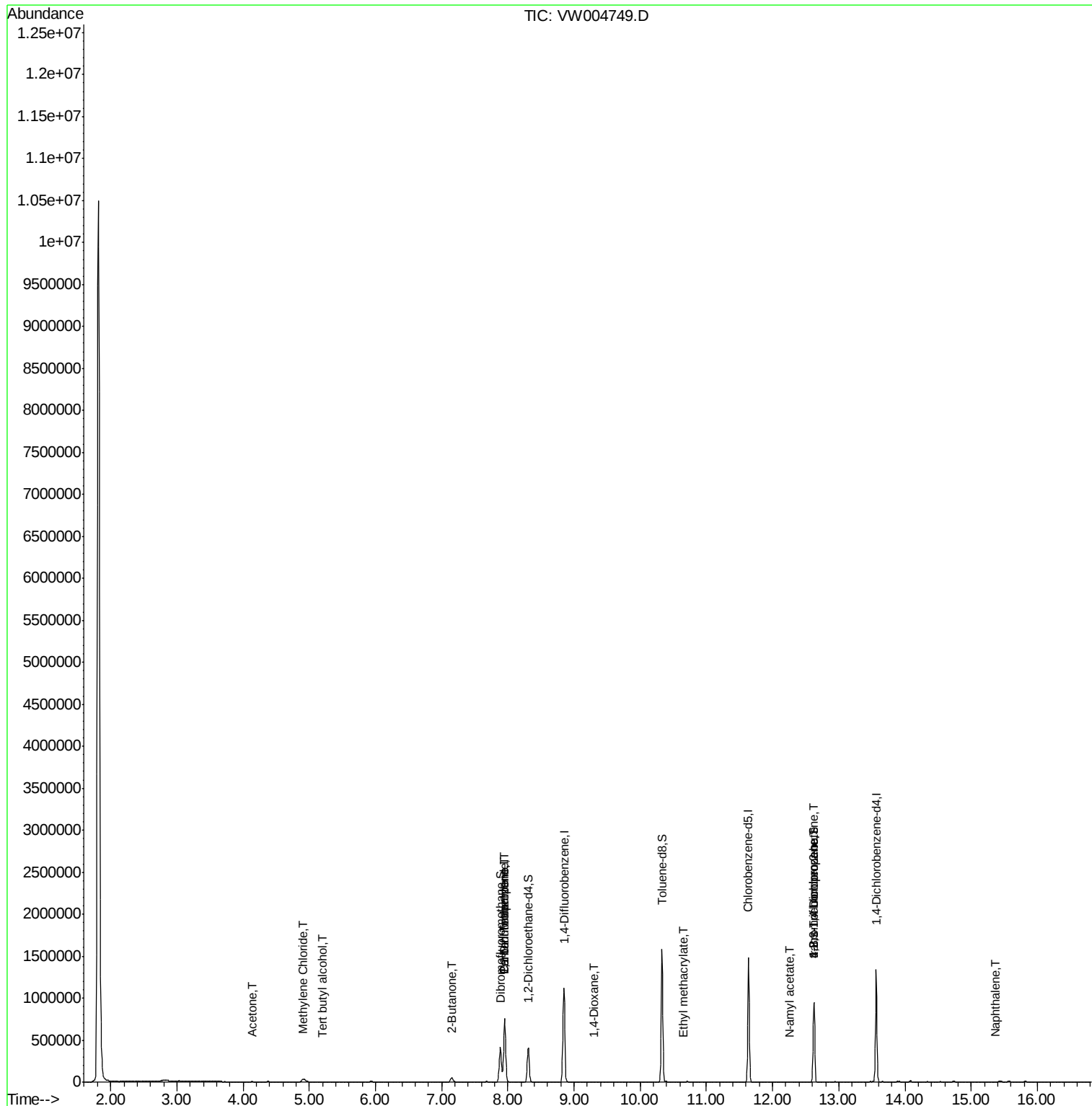
						Qvalue
11) Tert butyl alcohol	5.20	59	567	1.801	ug/l #	72
16) Acetone	4.15	43	8530	5.930	ug/l	94
20) Methylene Chloride	4.91	84	35546	1.200	ug/l	96
25) 2-Butanone	7.15	43	3159	1.541	ug/l #	88
36) 1,1-Dichloropropene	7.95	75	43341	4.349	ug/l #	49
38) Carbon Tetrachloride	7.95	117	55037	6.000	ug/l #	16
49) 1,4-Dioxane	9.30	88	59	1.151	ug/l #	1
56) Ethyl methacrylate	10.65	69	27	2.984	ug/l #	1
74) N-amyl acetate	12.26	43	203	4.051	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	152249	47.699	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	152249	110.865	ug/l #	14
95) Naphthalene	15.38	128	1276	3.587	ug/l	96

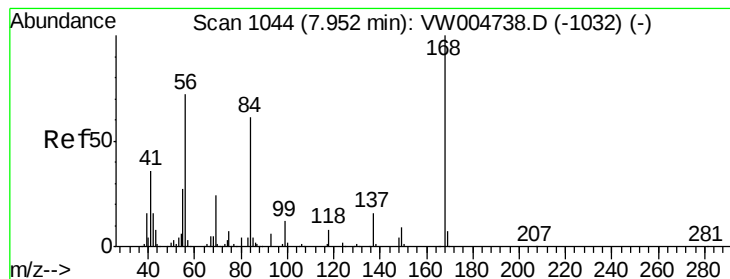
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004749.D

Acq: 17 Aug 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

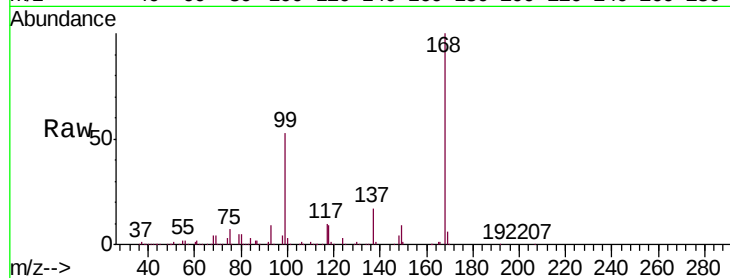
SU-01-081518-B

Tgt Ion:168 Resp: 582865

Ion Ratio Lower Upper

168 100

99 53.0 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

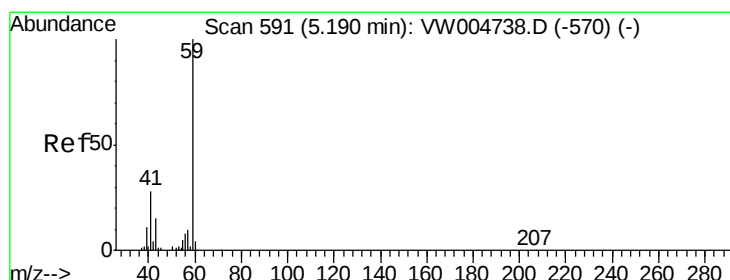
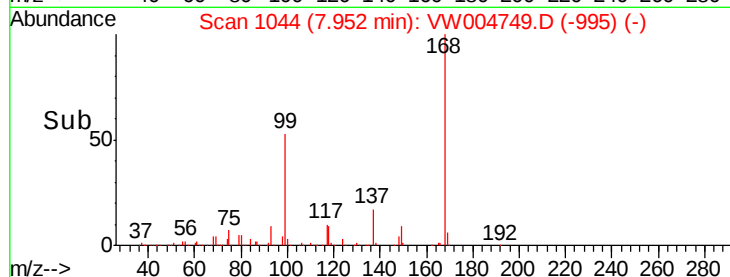
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.801 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.01 min

Lab File: VW004749.D

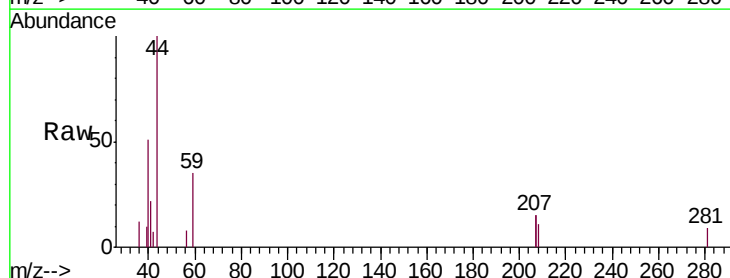
Acq: 17 Aug 2018 22:47

Tgt Ion: 59 Resp: 567

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

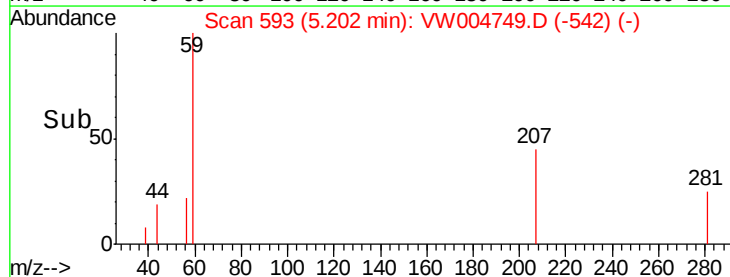
300

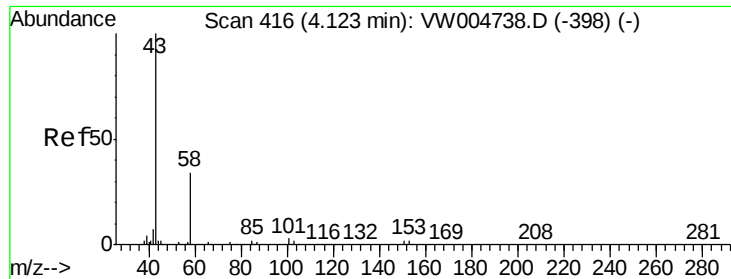
200

100

0

Time--> 5.16 5.18 5.20 5.22

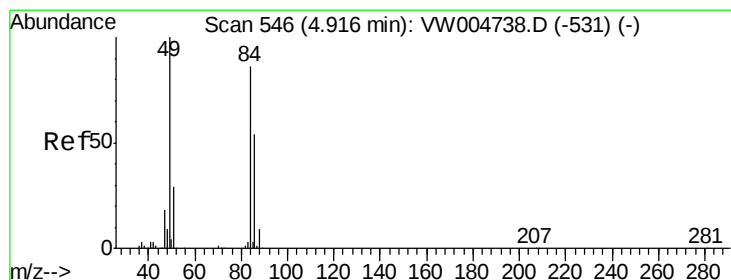
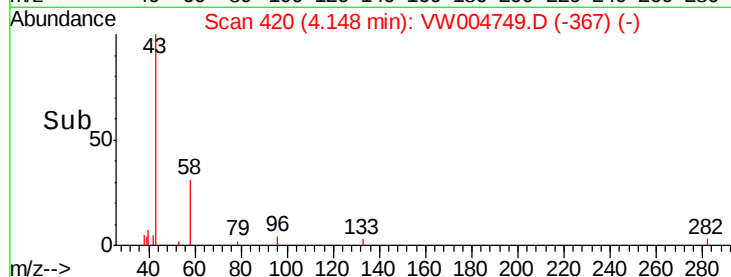
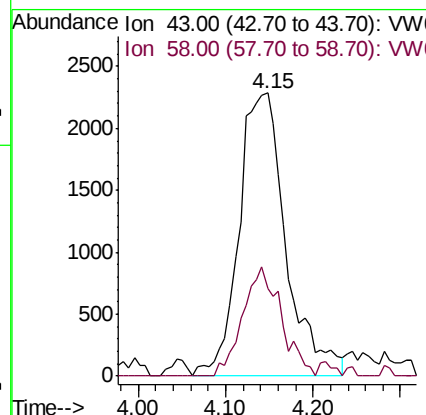
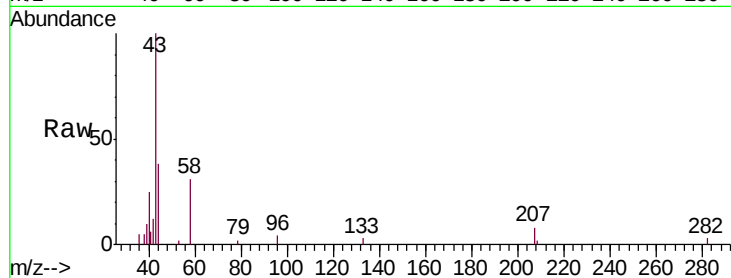




#16
Acetone
Concen: 5.930 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.02 min
Lab File: VW004749.D
Acq: 17 Aug 2018 22:47

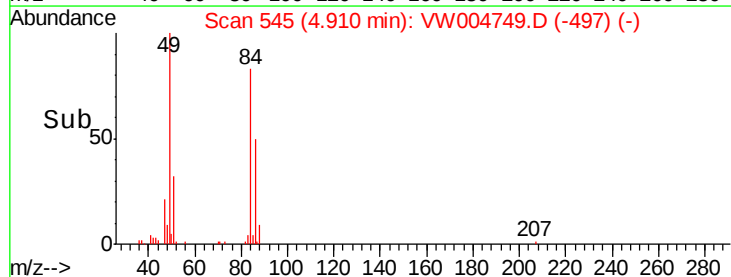
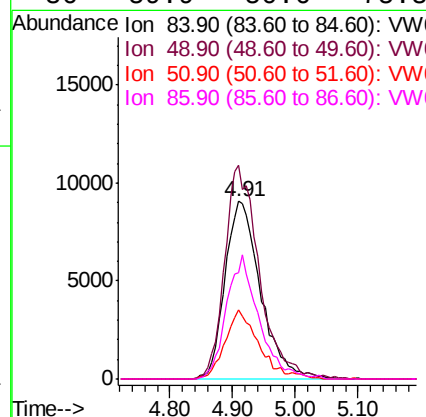
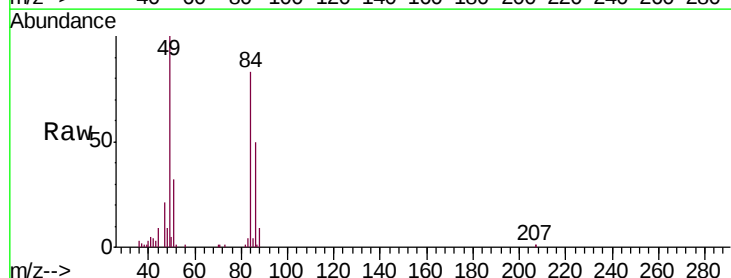
Instrument :
MSVOA_W
ClientSampleId :
SU-01-081518-B

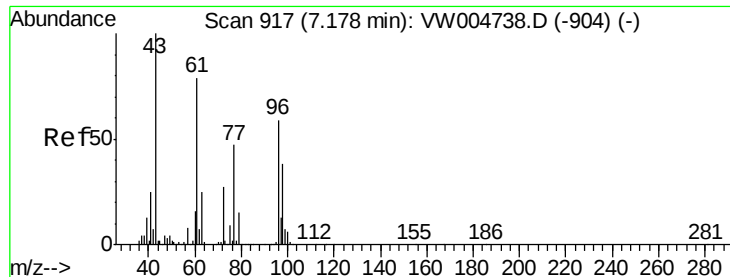
Tgt Ion: 43 Resp: 8530
Ion Ratio Lower Upper
43 100
58 30.9 27.3 40.9



#20
Methylene Chloride
Concen: 1.200 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004749.D
Acq: 17 Aug 2018 22:47

Tgt Ion: 84 Resp: 35546
Ion Ratio Lower Upper
84 100
49 120.1 93.2 139.8
51 38.5 27.4 41.0
86 59.9 50.6 75.8





#25

2-Butanone

Concen: 1.541 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW004749.D

Acq: 17 Aug 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

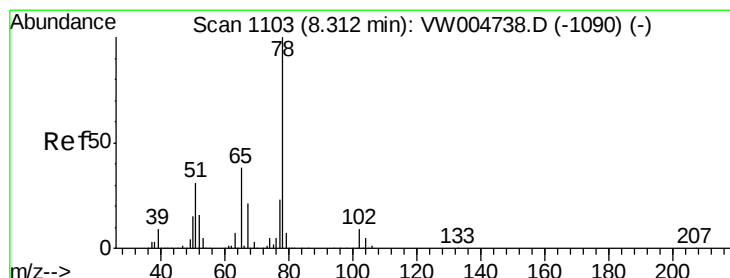
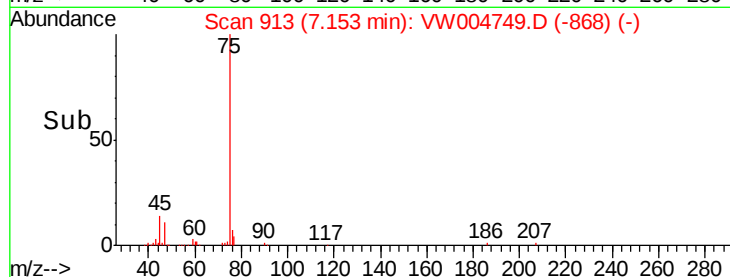
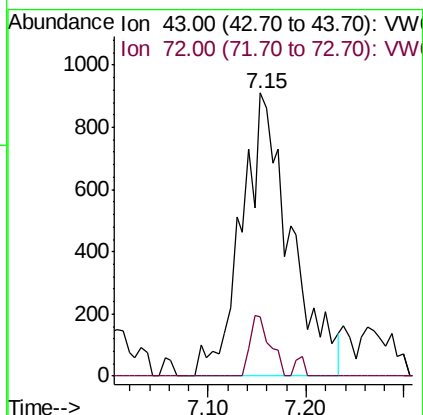
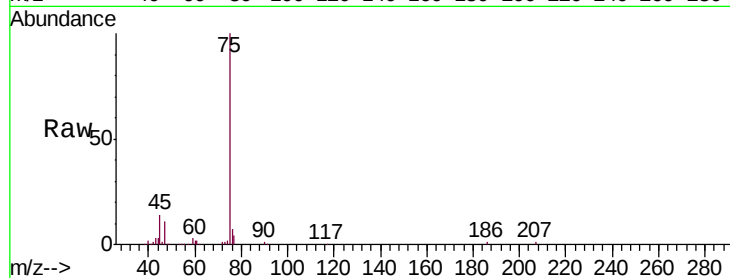
SU-01-081518-B

Tgt Ion: 43 Resp: 3159

Ion Ratio Lower Upper

43 100

72 21.1 22.0 33.0#



#33

1,2-Dichloroethane-d4

Concen: 56.432 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004749.D

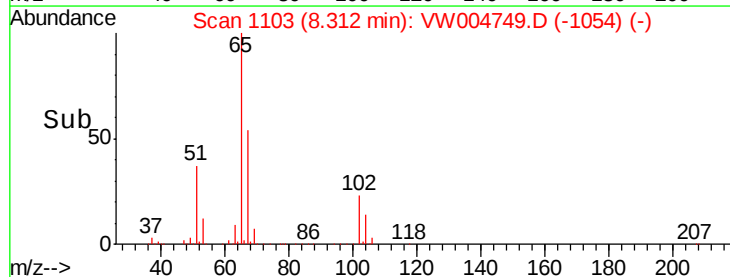
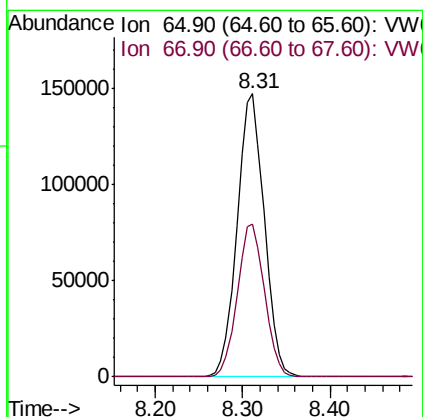
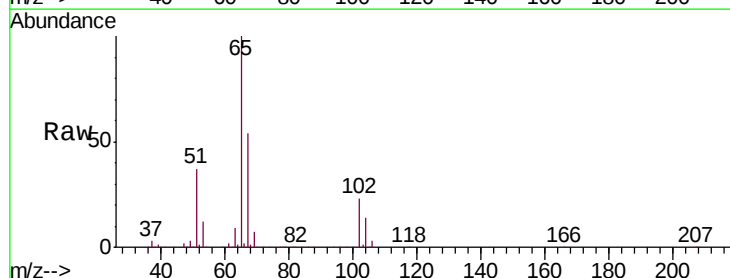
Acq: 17 Aug 2018 22:47

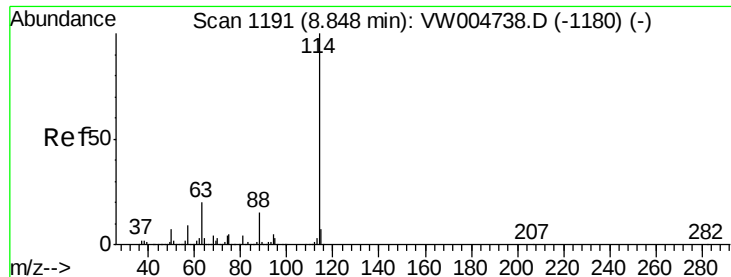
Tgt Ion: 65 Resp: 318003

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004749.D

Acq: 17 Aug 2018 22:47

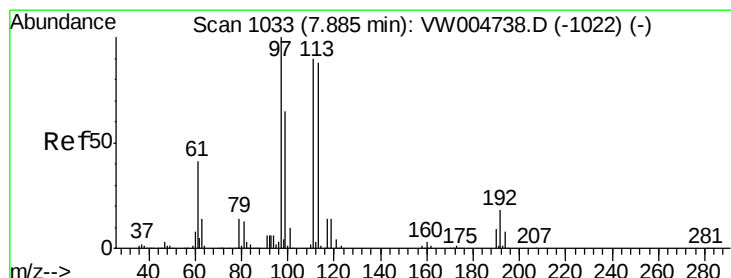
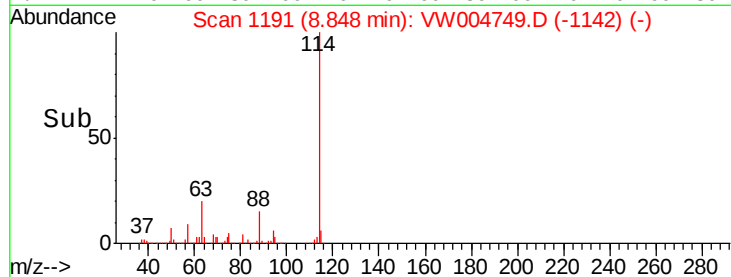
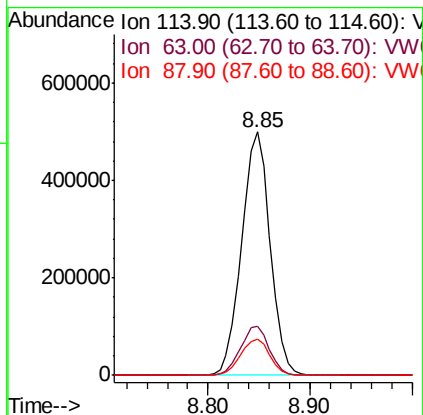
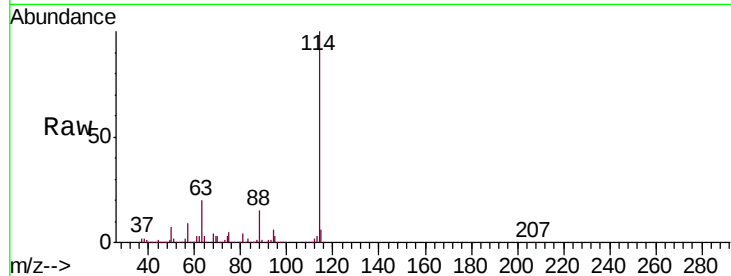
Instrument :

MSVOA_W

ClientSampleId :

SU-01-081518-B

Tgt Ion:	114	Resp:	967367
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.0
88	14.9	0.0	30.0



#35

Dibromofluoromethane

Concen: 48.755 ug/l

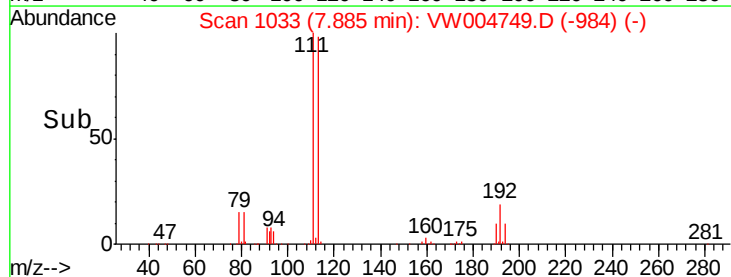
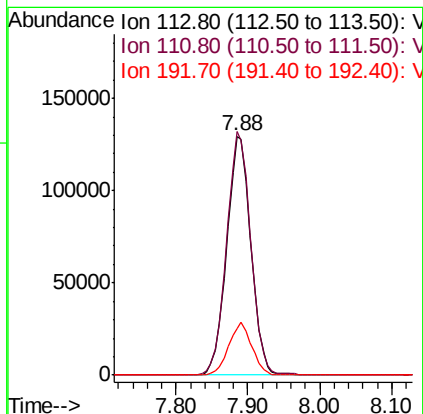
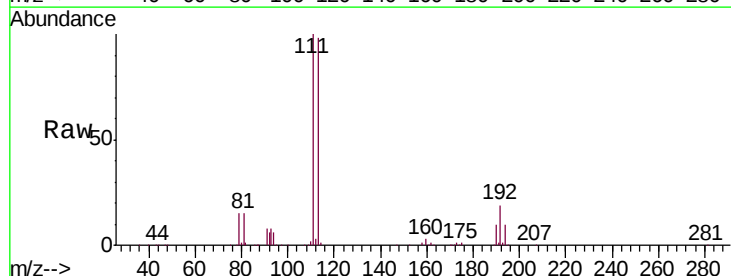
RT: 7.88 min Scan# 1033

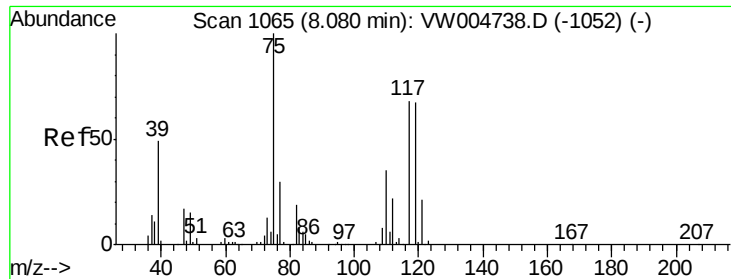
Delta R.T. -0.00 min

Lab File: VW004749.D

Acq: 17 Aug 2018 22:47

Tgt Ion:	113	Resp:	301440
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	21.3	16.7	25.1

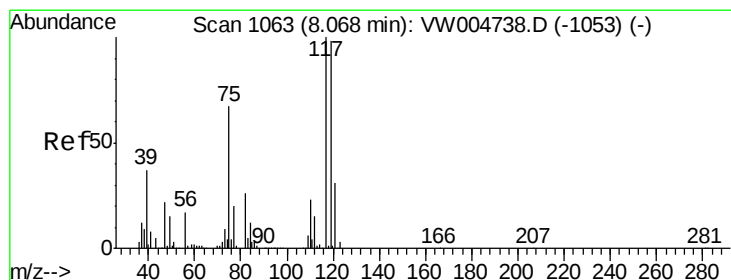
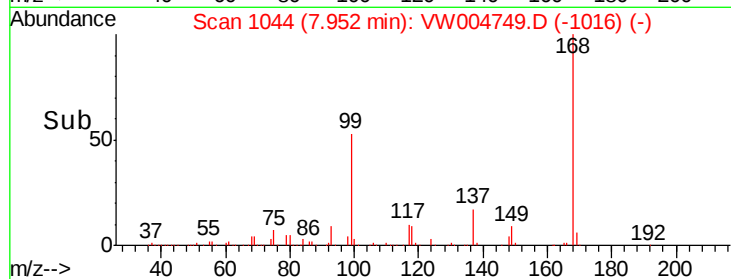
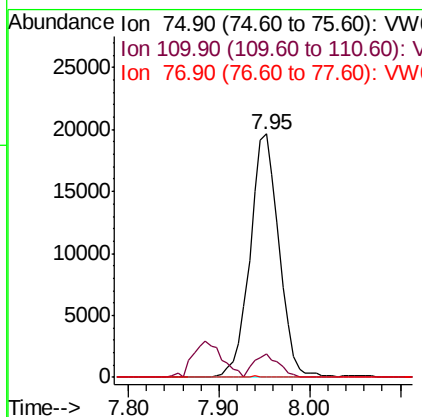
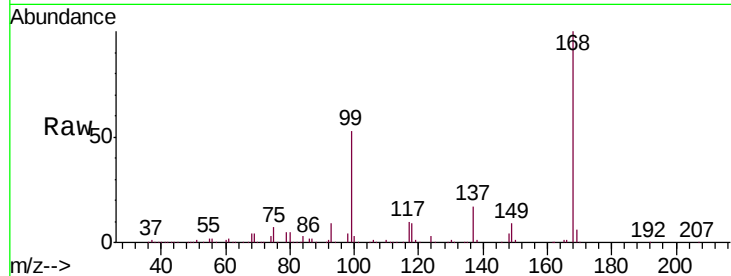




#36
 1,1-Dichloropropene
 Concen: 4.349 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004749.D
 Acq: 17 Aug 2018 22:47

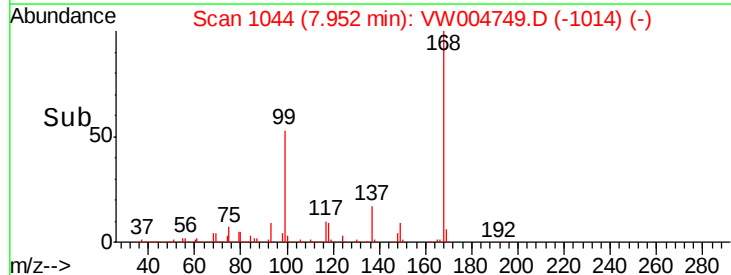
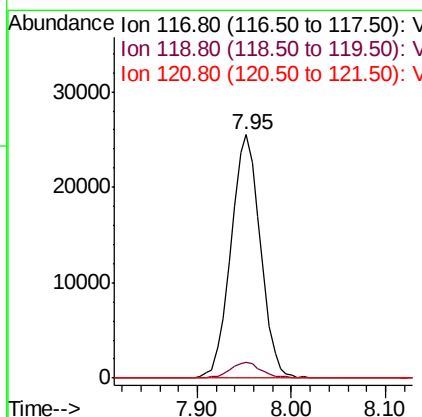
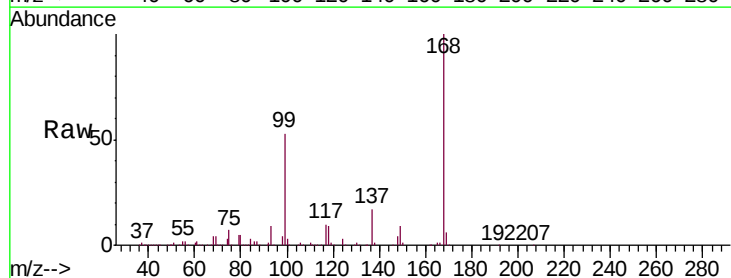
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-01-081518-B

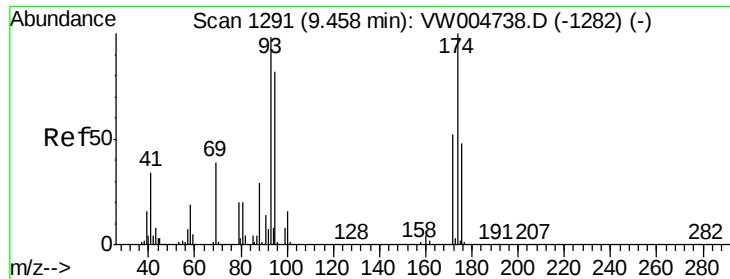
Tgt Ion: 75 Resp: 43341
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.8 53.5#
 77 0.1 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.000 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004749.D
 Acq: 17 Aug 2018 22:47

Tgt Ion: 117 Resp: 55037
 Ion Ratio Lower Upper
 117 100
 119 6.6 78.0 117.0#
 121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 1.151 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. -0.16 min

Lab File: VW004749.D

Acq: 17 Aug 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

SU-01-081518-B

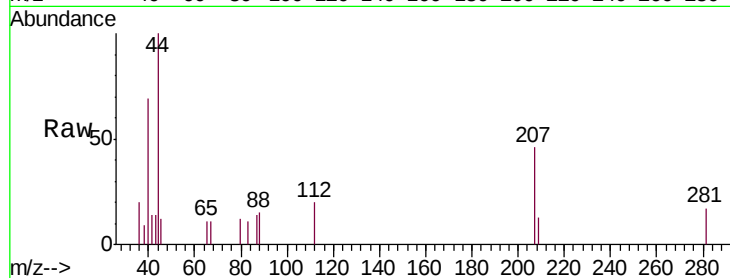
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 201.7 22.9 34.3#

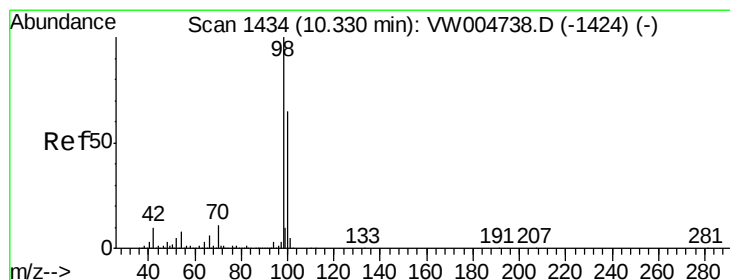
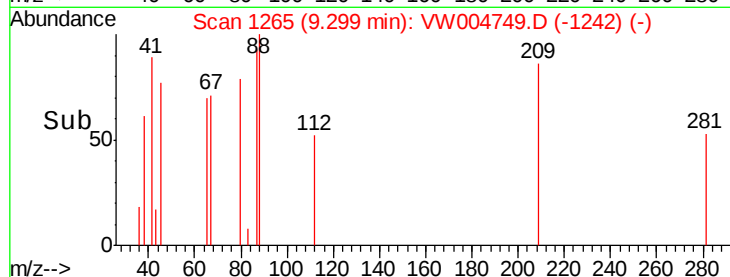
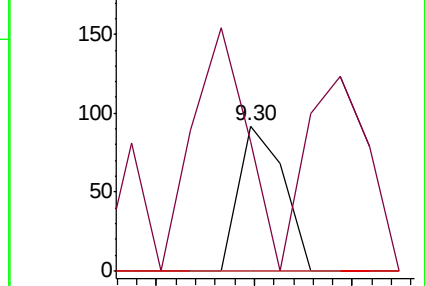
58 0.0 60.0 90.0#



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



#50

Toluene-d8

Concen: 43.734 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004749.D

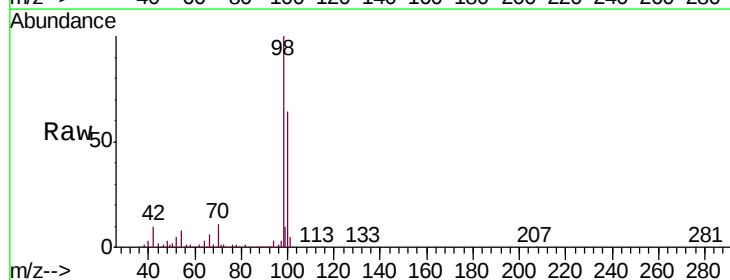
Acq: 17 Aug 2018 22:47

Tgt Ion: 98 Resp: 1055523

Ion Ratio Lower Upper

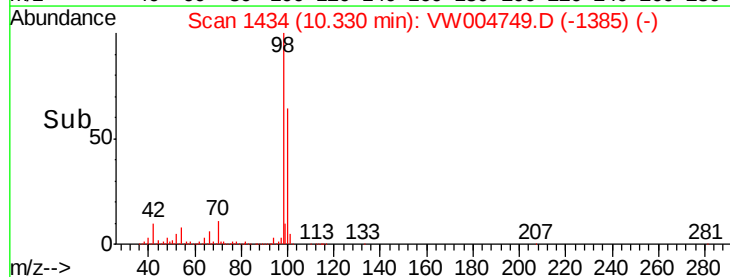
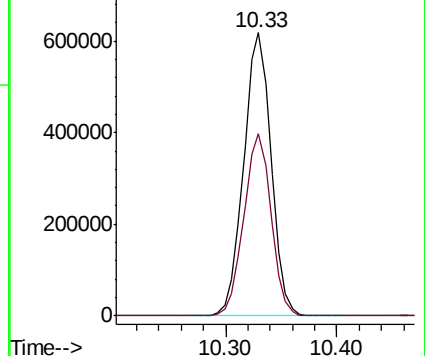
98 100

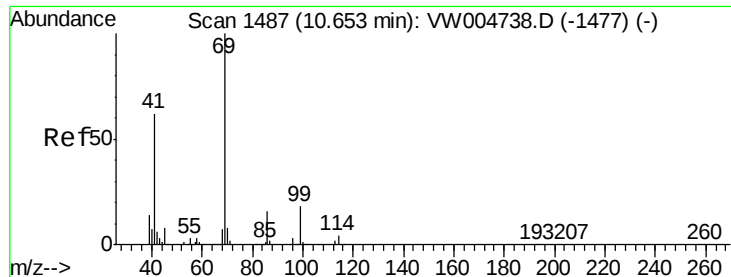
100 63.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.984 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW004749.D

Acq: 17 Aug 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

SU-01-081518-B

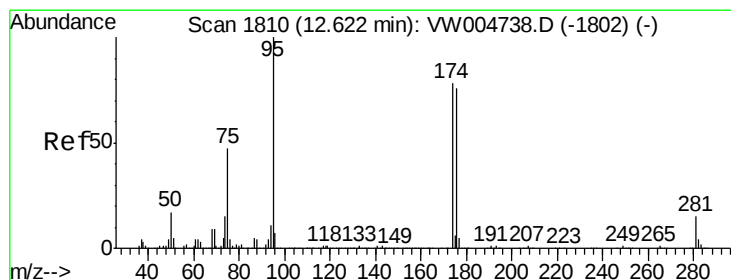
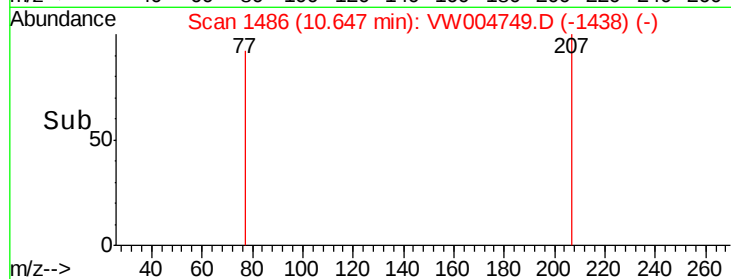
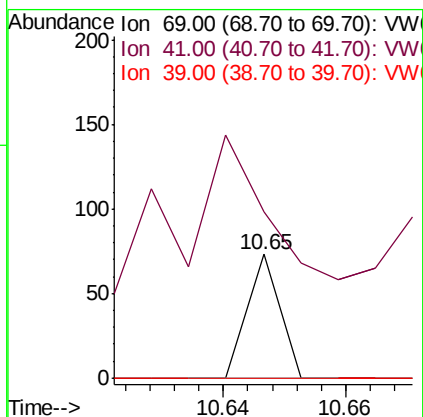
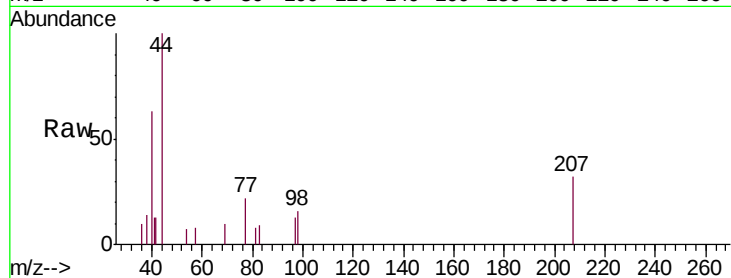
Tgt Ion: 69 Resp: 27

Ion Ratio Lower Upper

69 100

41 807.4 50.7 76.1#

39 0.0 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 36.808 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004749.D

Acq: 17 Aug 2018 22:47

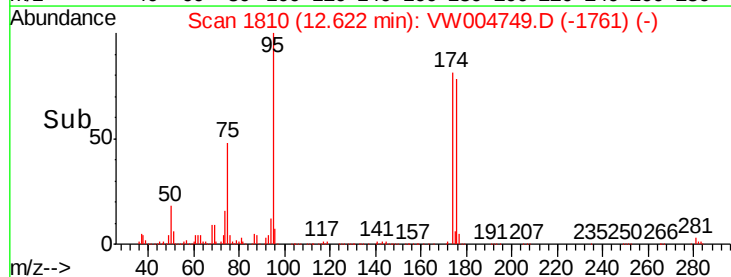
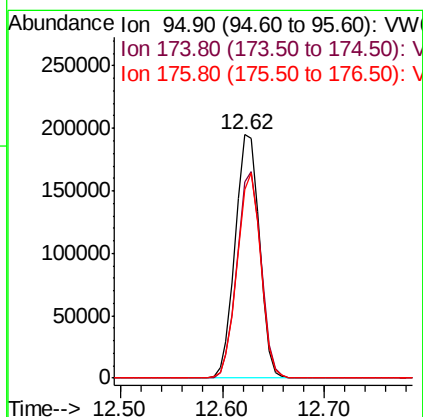
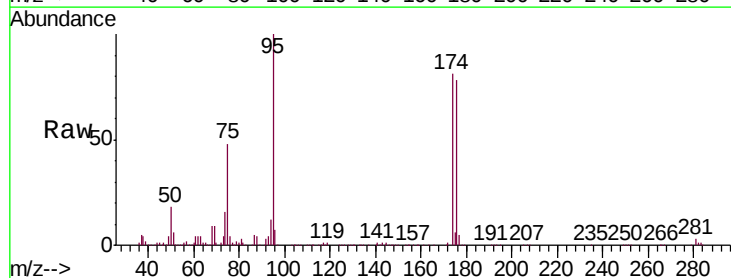
Tgt Ion: 95 Resp: 319598

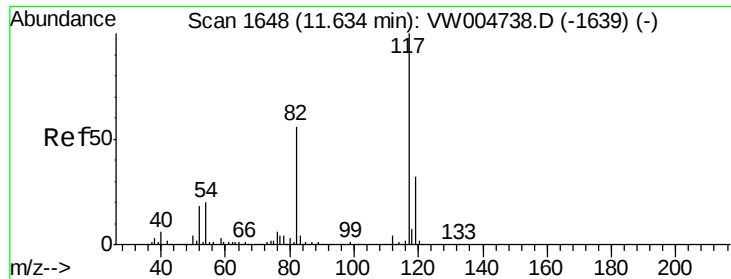
Ion Ratio Lower Upper

95 100

174 84.4 0.0 165.8

176 81.9 0.0 159.8

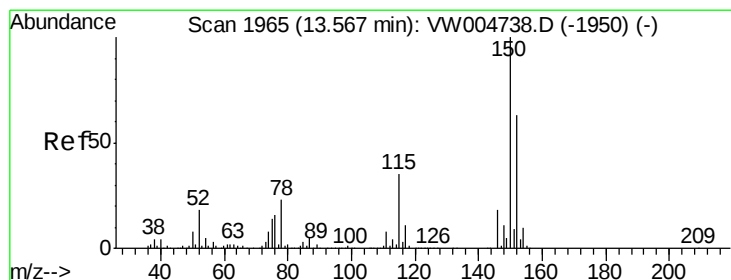
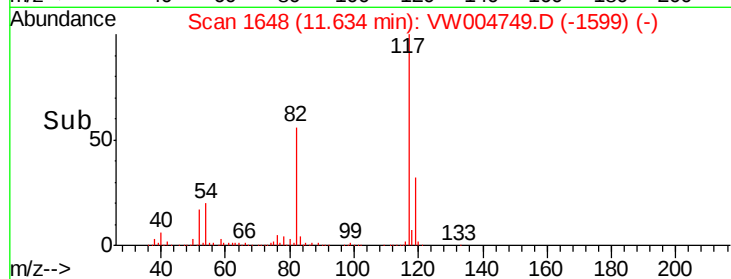
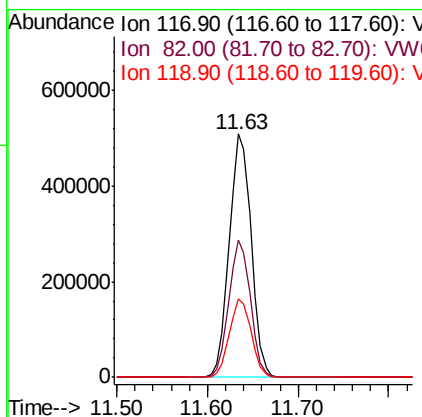
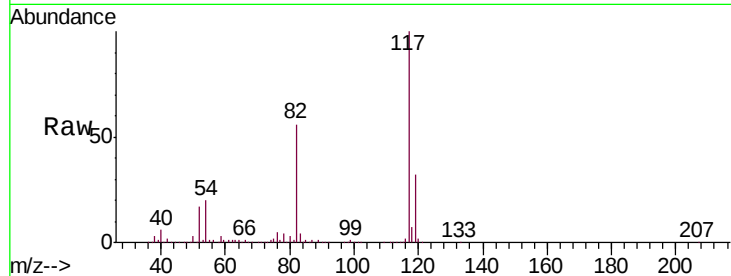




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004749.D
Acq: 17 Aug 2018 22:47

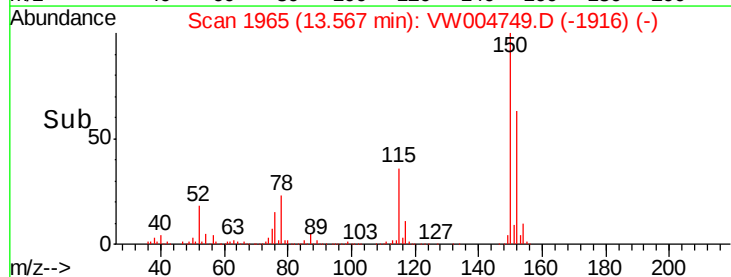
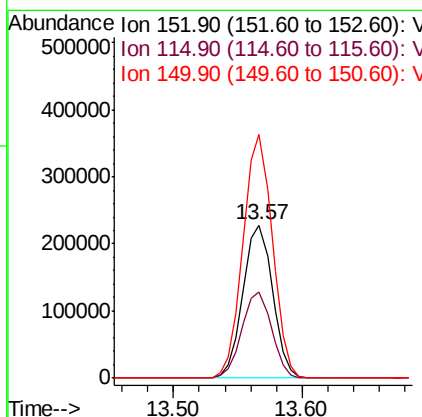
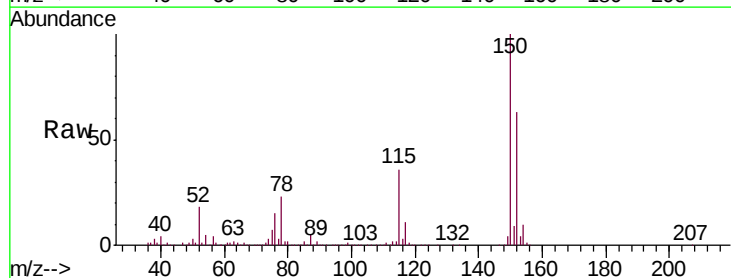
Instrument :
MSVOA_W
ClientSampleId :
SU-01-081518-B

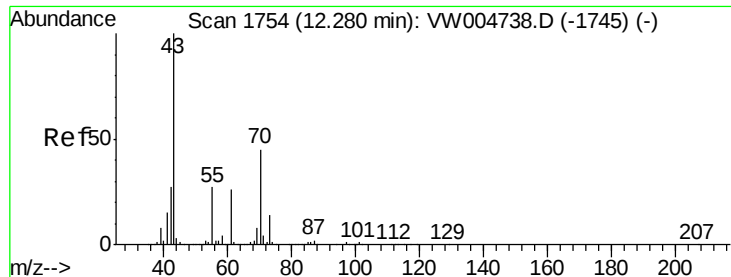
Tgt Ion:117 Resp: 853350
Ion Ratio Lower Upper
117 100
82 56.4 44.6 67.0
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004749.D
Acq: 17 Aug 2018 22:47

Tgt Ion:152 Resp: 362087
Ion Ratio Lower Upper
152 100
115 56.8 28.5 85.5
150 157.8 0.0 344.8

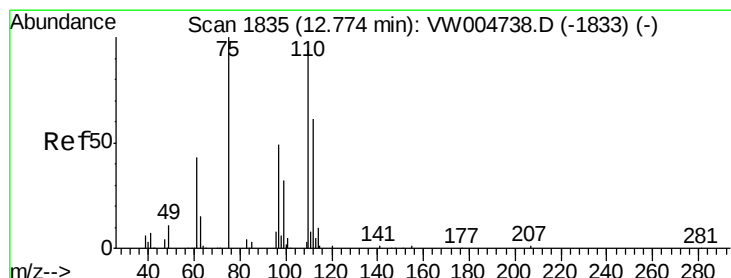
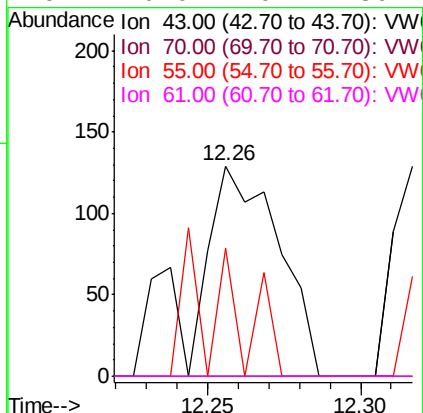
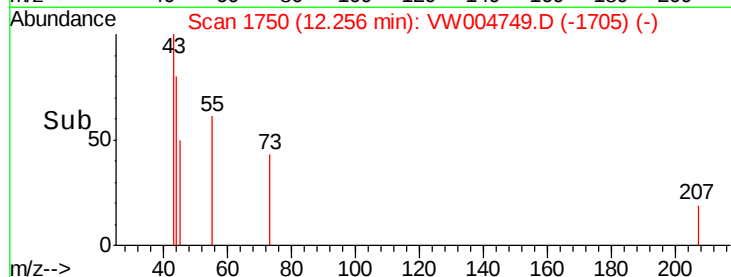
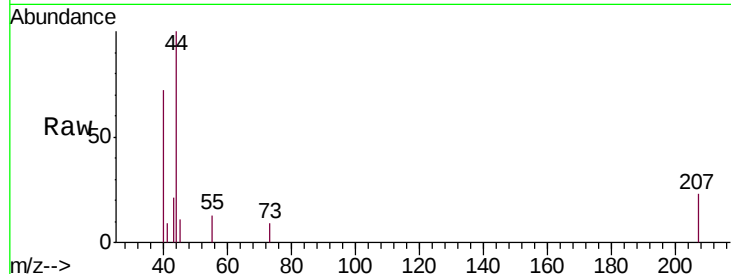




#74
N-ethyl acetate
Concen: 4.051 ug/l
RT: 12.26 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VW004749.D
Acq: 17 Aug 2018 22:47

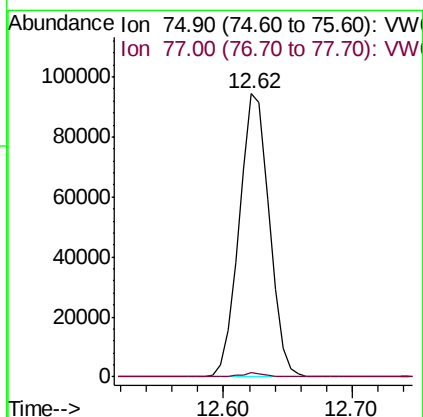
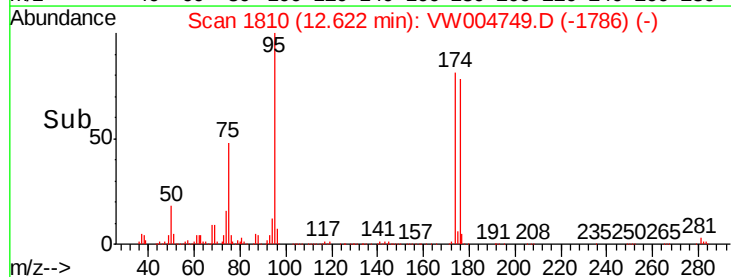
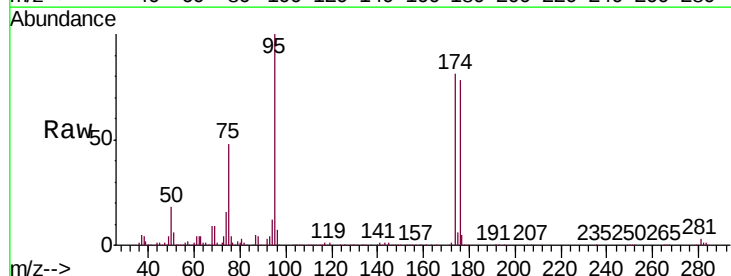
Instrument :
MSVOA_W
ClientSampleId :
SU-01-081518-B

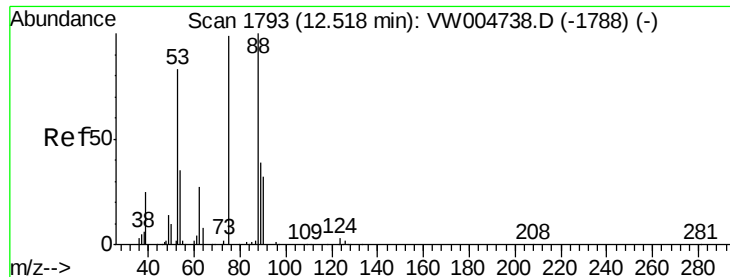
Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
70 0.0 36.3 54.5#
55 0.0 22.6 33.8#
61 0.0 20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 47.699 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004749.D
Acq: 17 Aug 2018 22:47

Tgt Ion: 75 Resp: 152249
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 110.865 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004749.D

Acq: 17 Aug 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

SU-01-081518-B

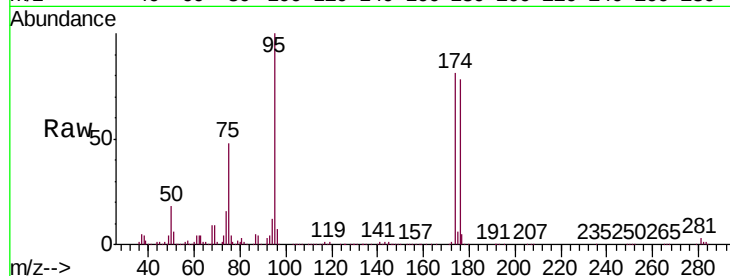
Tgt Ion: 75 Resp: 152249

Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.4#

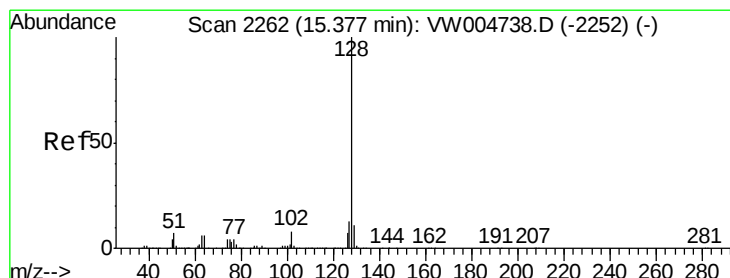
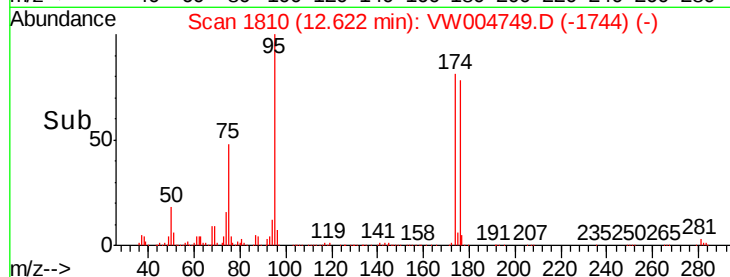
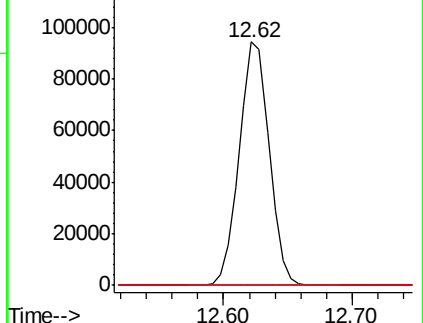
89 0.0 35.2 52.8#



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



#95

Naphthalene

Concen: 3.587 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004749.D

Acq: 17 Aug 2018 22:47

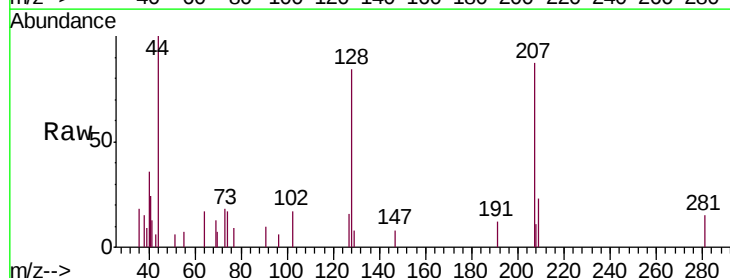
Tgt Ion: 128 Resp: 1276

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 8.7 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

