

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056834.D
 Acq On : 19 Jul 2019 16:04
 Operator : JC/SP
 Sample : K2646-15DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3DL

Quant Time: Jul 20 00:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	246643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	443132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	145776	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
35) Dibromofluoromethane	7.59	113	130984	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	10.09	98	565340	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.40	95	217180	60.46	ug/l	0.00
Spiked Amount			Recovery	=	120.92%	

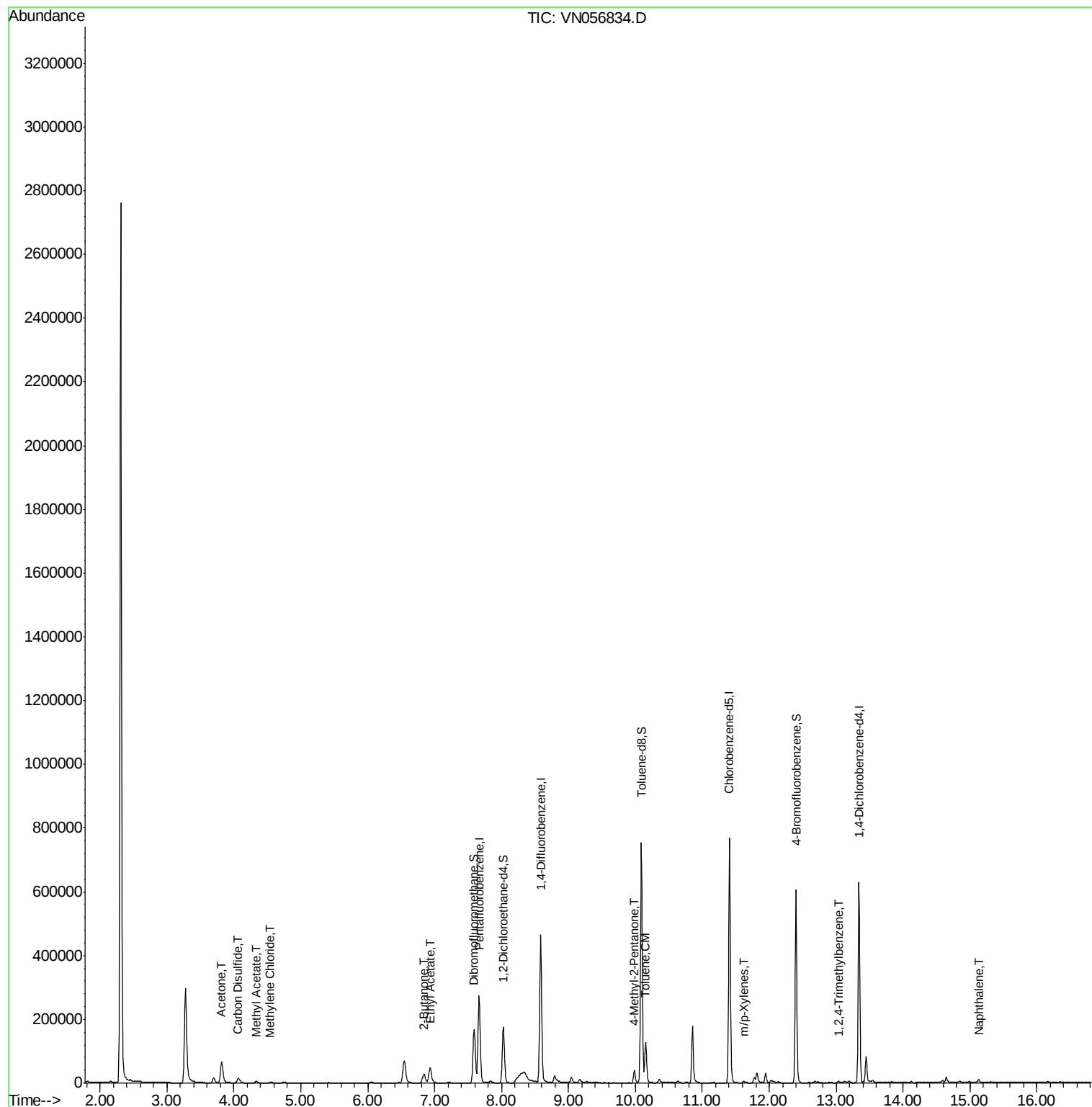
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	113935	90.624	ug/l	100
17) Carbon Disulfide	4.05	76	4800	0.783	ug/l	98
18) Methyl Acetate	4.33	43	10625	2.845	ug/l #	89
20) Methylene Chloride	4.55	84	1759	0.640	ug/l	86
25) 2-Butanone	6.84	43	37099	20.184	ug/l	97
37) Ethyl Acetate	6.93	43	81485	20.162	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	28551	6.938	ug/l	100
52) Toluene	10.16	92	56237	7.537	ug/l	97
68) m/p-Xylenes	11.62	106	1999	0.307	ug/l	84
84) 1,2,4-Trimethylbenzene	13.03	105	4130	0.330	ug/l	98
95) Naphthalene	15.13	128	9412	5.377	ug/l	97

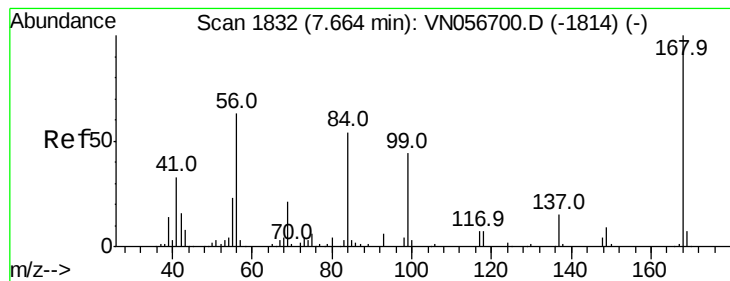
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071919\
Data File : VN056834.D
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MSVOA_N
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COMP-3DL

Quant Time: Jul 20 00:09:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056834.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

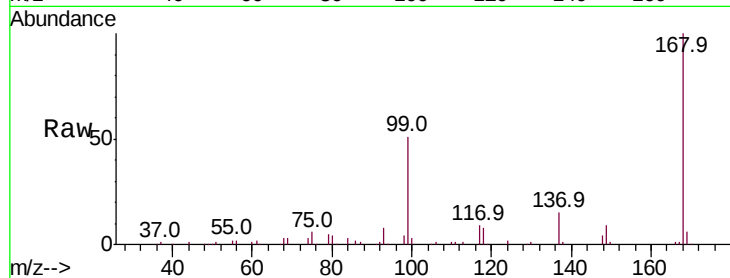
COMP-3DL

Tot Ion:168 Resp: 246643

Ion Ratio Lower Upper

168 100

99 50.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056834.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056834.D (-1739) (-)

7.66

100000

80000

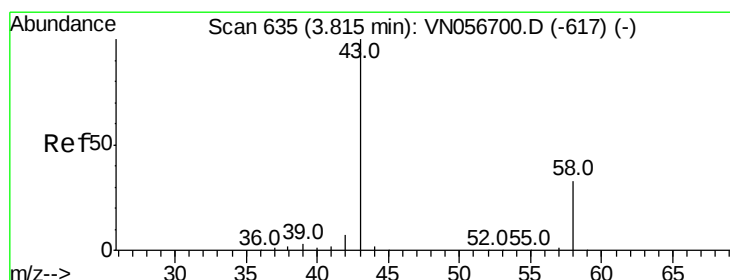
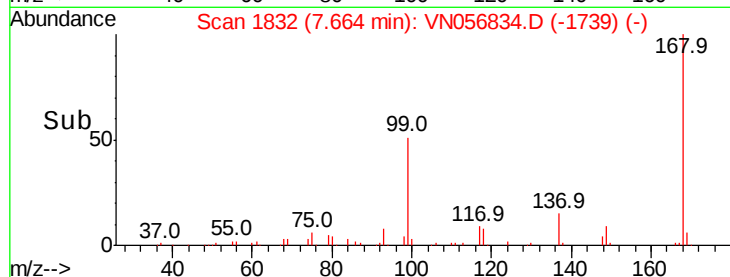
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 90.624 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056834.D

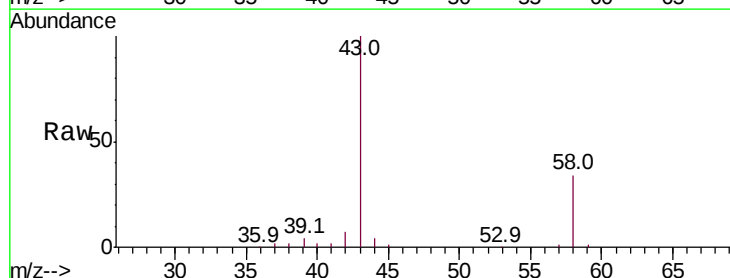
Acq: 19 Jul 2019 16:04

Tgt Ion: 43 Resp: 113935

Ion Ratio Lower Upper

43 100

58 33.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056834.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056834.D (-542) (-)

3.82

50000

40000

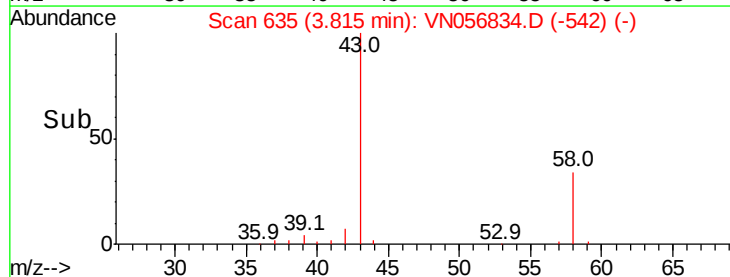
30000

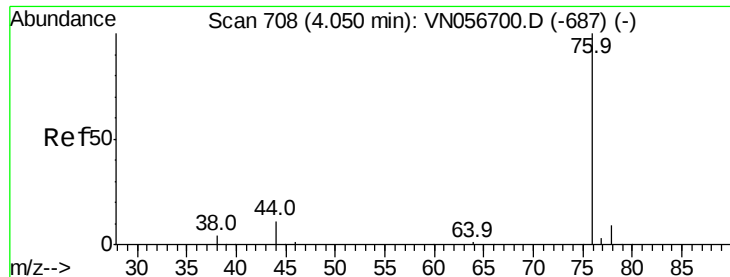
20000

10000

0

Time-->





#17

Carbon Disulfide

Concen: 0.783 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN056834.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

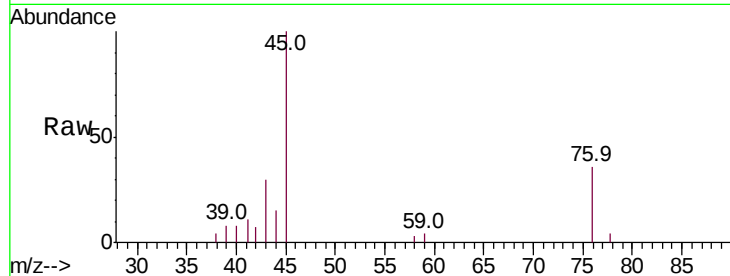
COMP-3DL

Tot Ion: 76 Resp: 4800

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

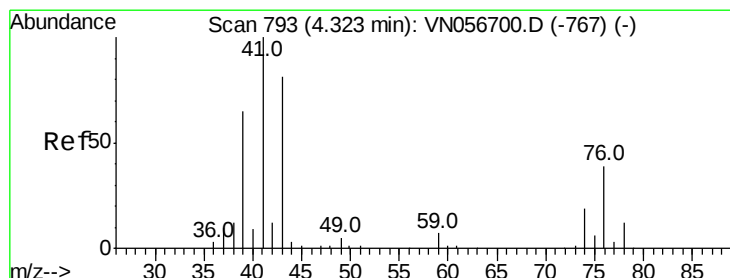
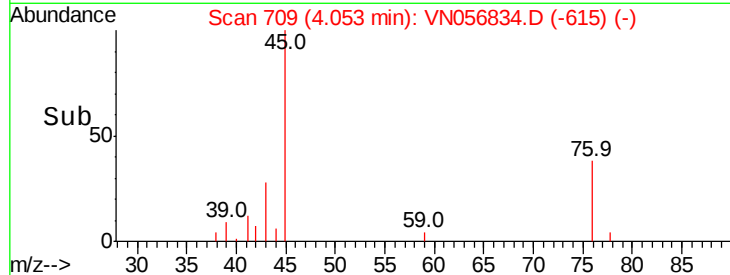
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 2.845 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056834.D

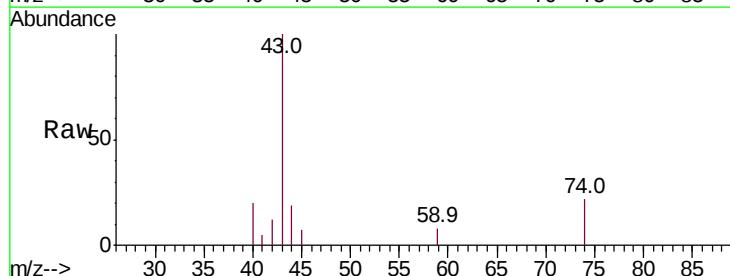
Acq: 19 Jul 2019 16:04

Tgt Ion: 43 Resp: 10625

Ion Ratio Lower Upper

43 100

74 18.4 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

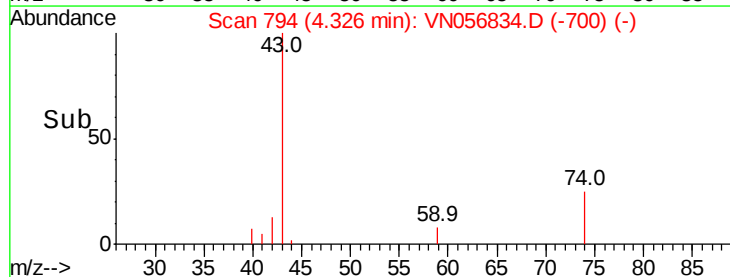
3000

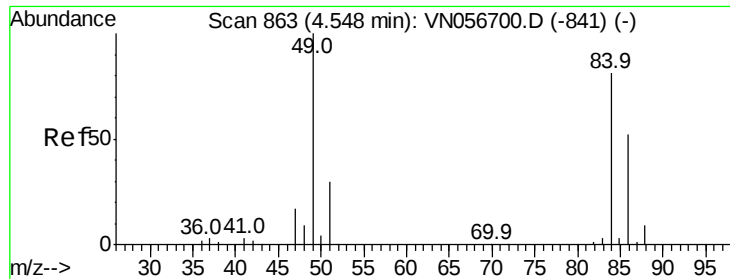
2000

1000

0

Time-->



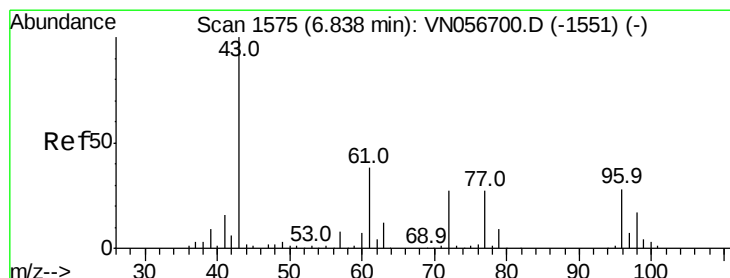
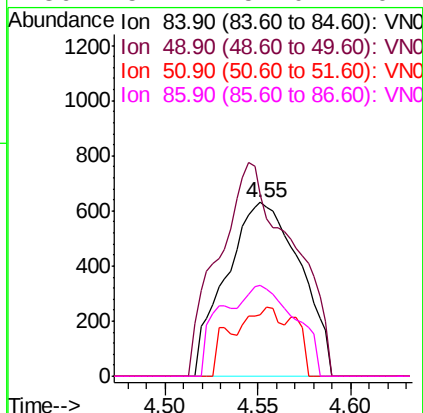
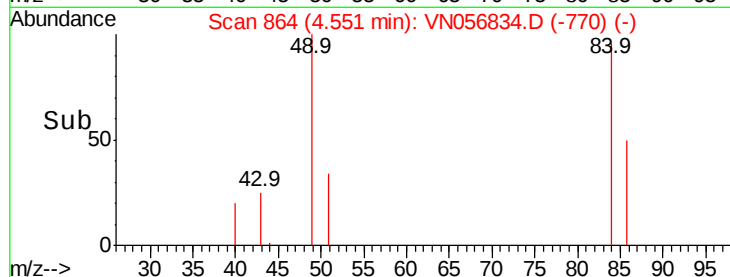
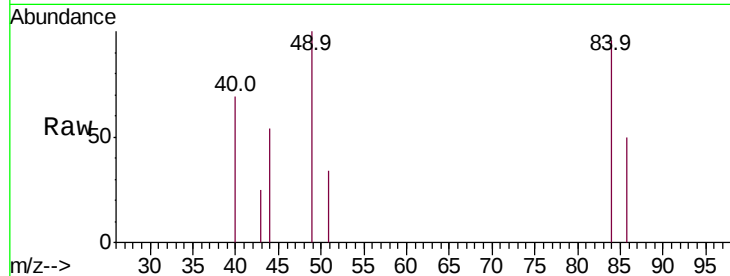


#20
Methvlene Chloride
Concen: 0.640 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056834.D
Acq: 19 Jul 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
COMP-3DL

Tot Ion: 84 Resp: 1759

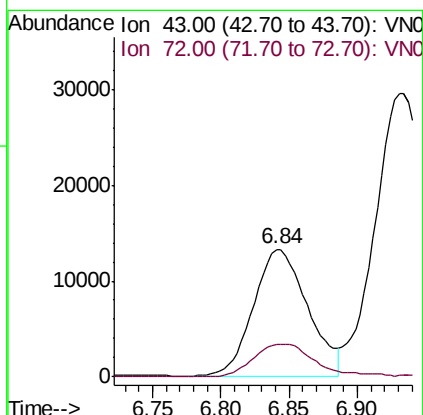
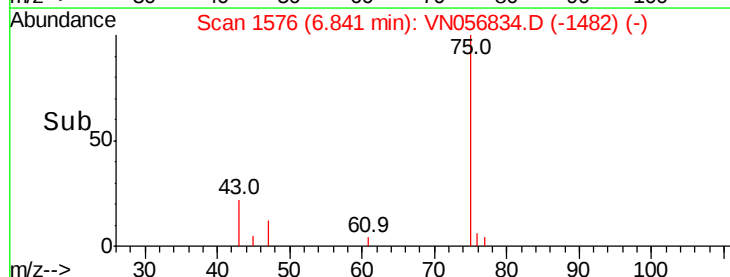
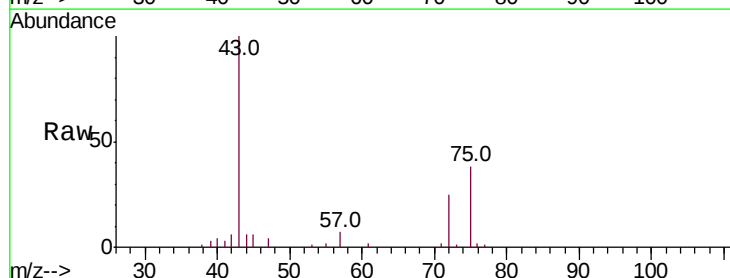
Ion	Ratio	Lower	Upper
84	100		
49	104.6	98.2	147.4
51	35.5	29.6	44.4
86	52.1	51.0	76.4

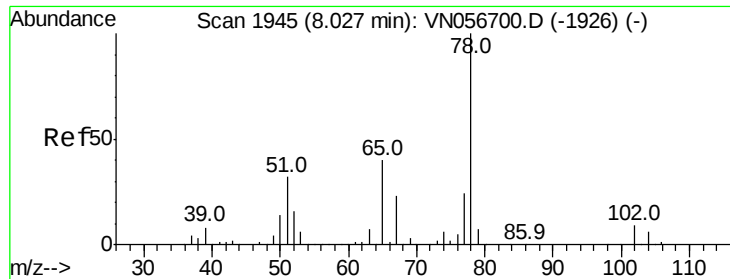


#25
2-Butanone
Concen: 20.184 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056834.D
Acq: 19 Jul 2019 16:04

Tgt Ion: 43 Resp: 37099

Ion	Ratio	Lower	Upper
43	100		
72	25.2	21.2	31.8





#33

1,2-Dichloroethane-d4

Concen: 53.433 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056834.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

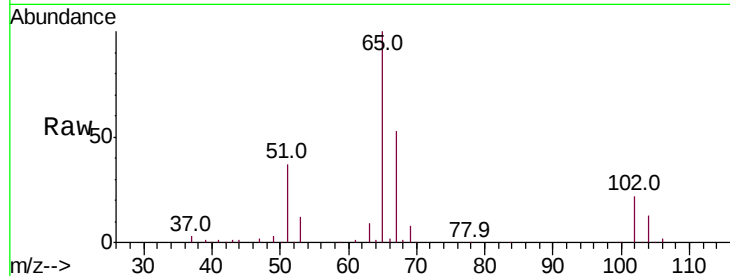
COMP-3DL

Tot Ion: 65 Resp: 145776

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN056700.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN056700.D (-1926) (-)

8.03

60000

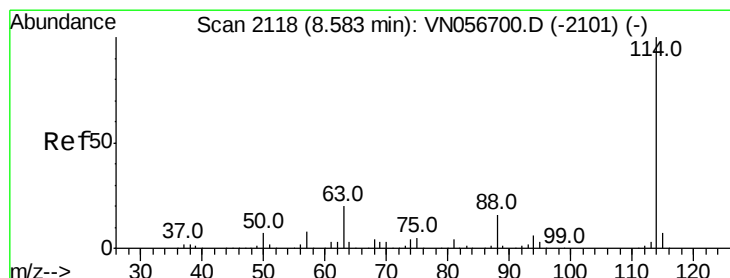
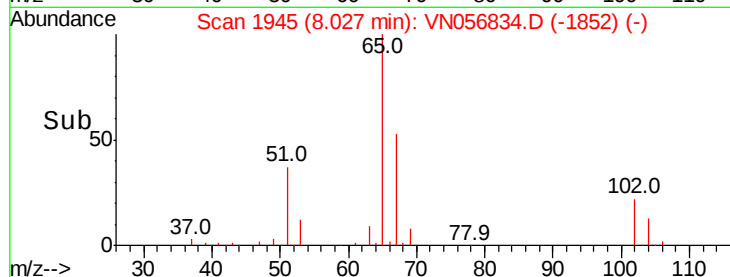
40000

20000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056834.D

Acq: 19 Jul 2019 16:04

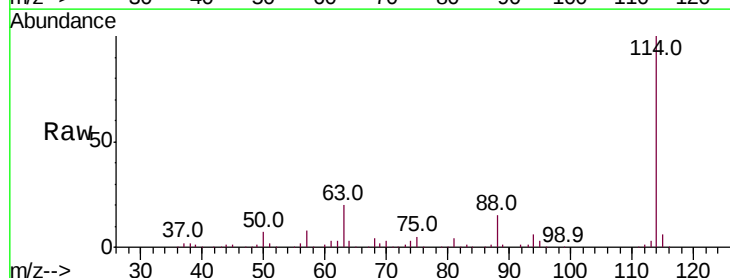
Tgt Ion: 114 Resp: 443132

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 15.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN056700.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN056700.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN056700.D (-2101) (-)

8.59

250000

200000

150000

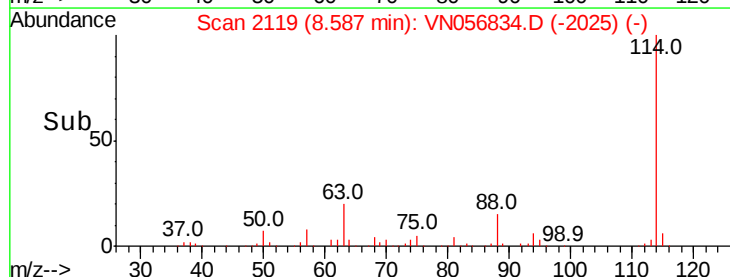
100000

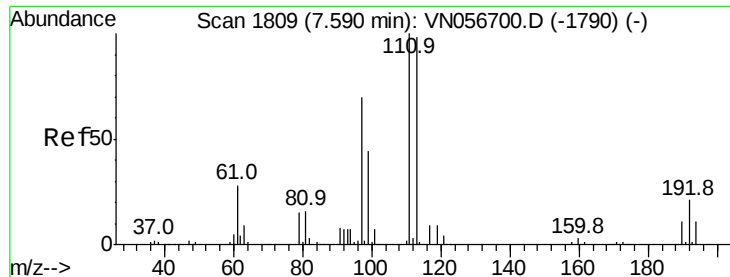
50000

0

8.50 8.60 8.70

Time-->

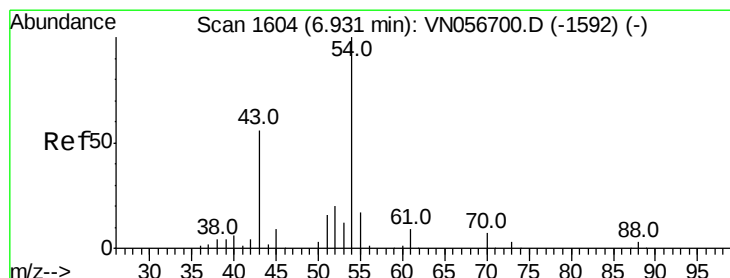
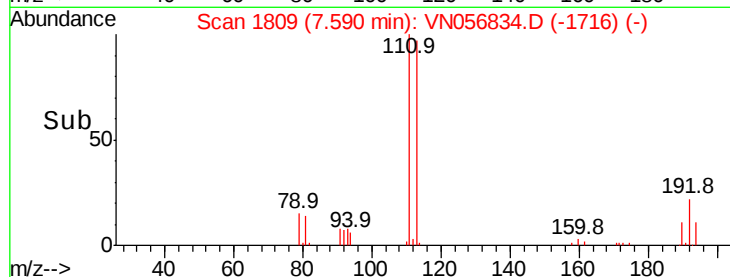
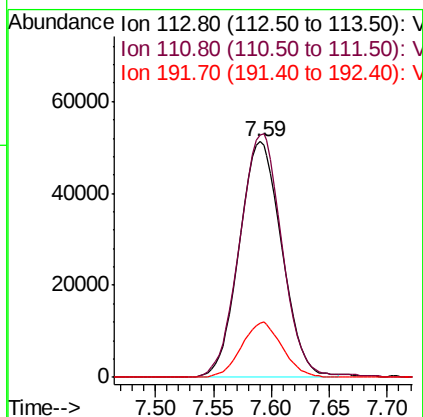
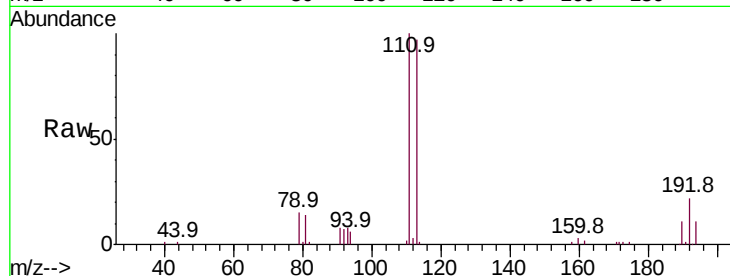




#35
Dibromofluoromethane
Concen: 47.498 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN056834.D
Acq: 19 Jul 2019 16:04

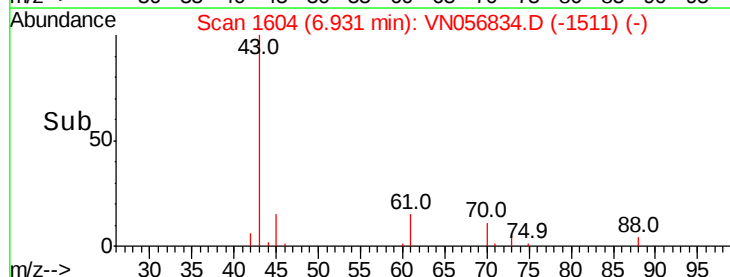
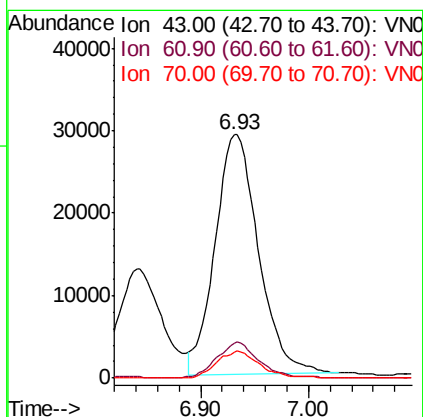
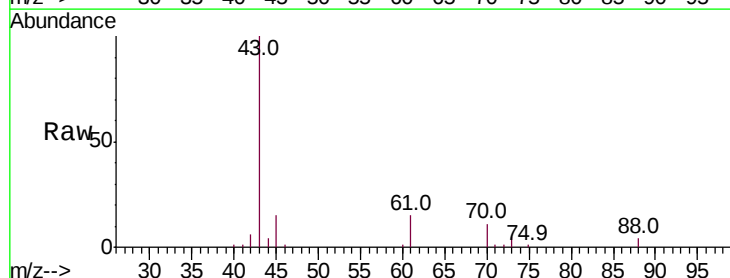
Instrument :
MSVOA_N
ClientSampleId :
COMP-3DL

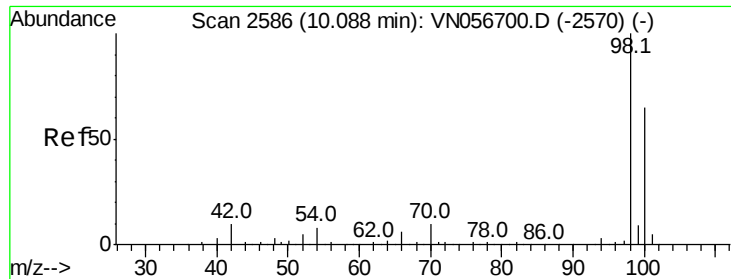
Tot Ion:113 Resp: 130984
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 22.3 17.5 26.3



#37
Ethyl Acetate
Concen: 20.162 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056834.D
Acq: 19 Jul 2019 16:04

Tgt Ion: 43 Resp: 81485
Ion Ratio Lower Upper
43 100
61 14.5 11.3 16.9
70 11.2 8.5 12.7





#50

Toluene-d8

Concen: 53.079 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056834.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

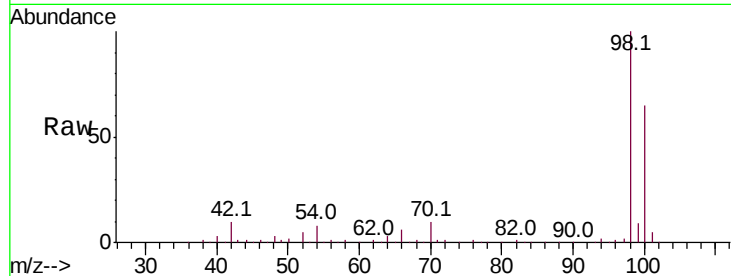
COMP-3DL

Tot Ion: 98 Resp: 565340

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056700.D (-2570) (-)

10.09

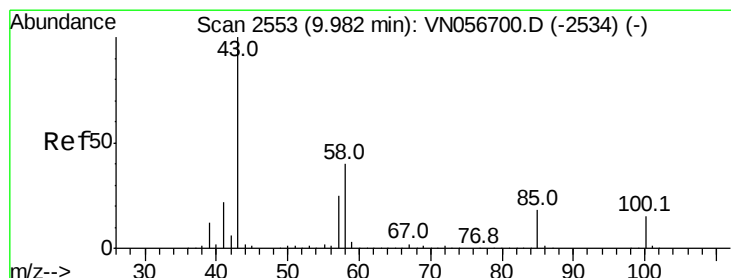
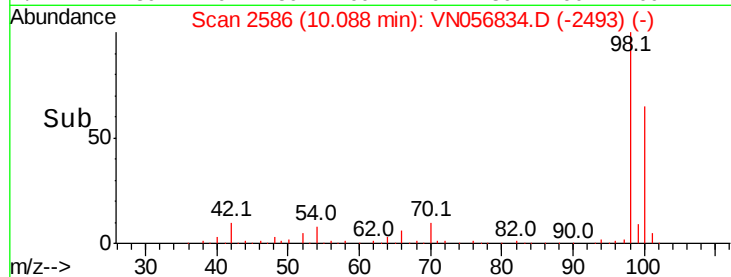
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 6.938 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056834.D

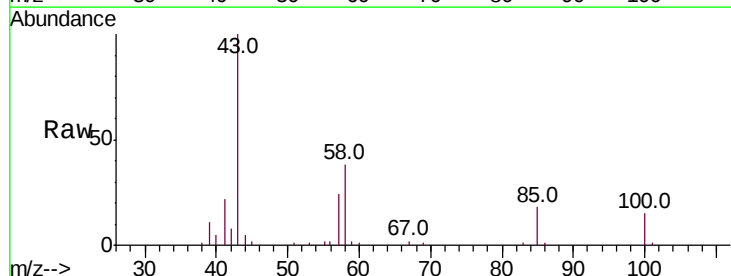
Acq: 19 Jul 2019 16:04

Tgt Ion: 43 Resp: 28551

Ion Ratio Lower Upper

43 100

58 40.1 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN056700.D (-2534) (-)

9.99

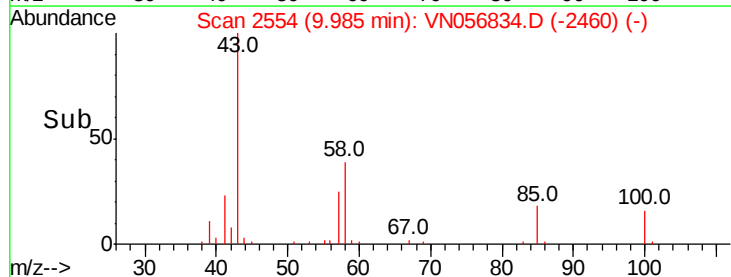
15000

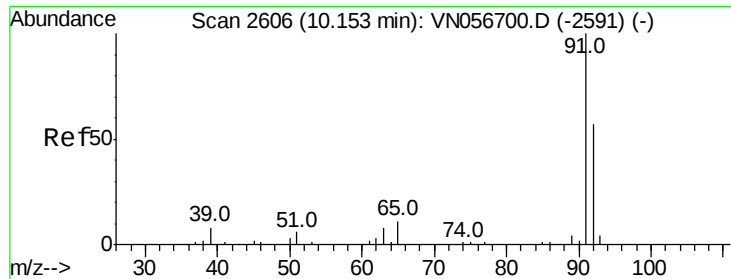
10000

5000

0

Time-->





#52

Toluene

Concen: 7.537 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056834.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

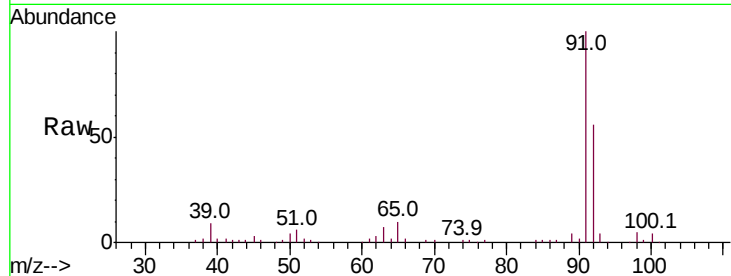
COMP-3DL

Tot Ion: 92 Resp: 56237

Ion Ratio Lower Upper

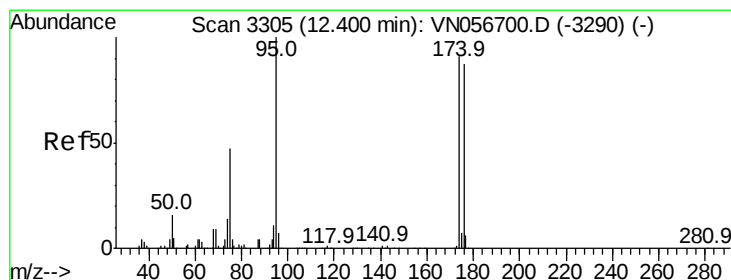
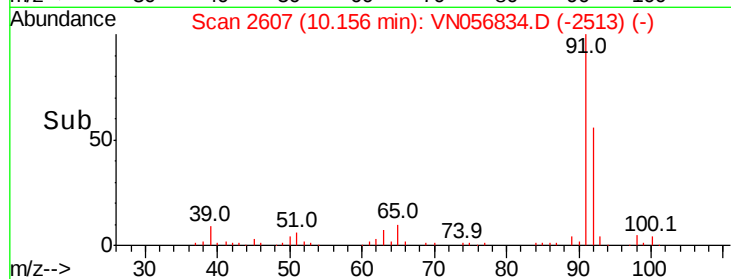
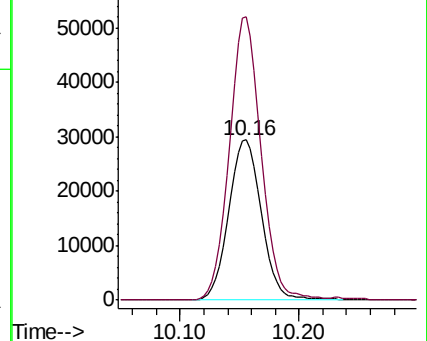
92 100

91 170.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN056834.D (-3212) (-)

Ion 91.00 (90.70 to 91.70): VN056834.D (-2591) (-)



#62

4-Bromofluorobenzene

Concen: 60.465 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056834.D

Acq: 19 Jul 2019 16:04

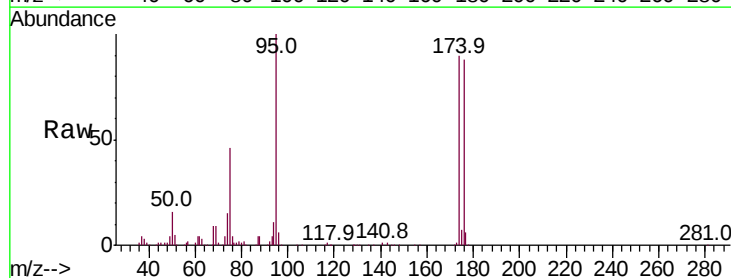
Tgt Ion: 95 Resp: 217180

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.0

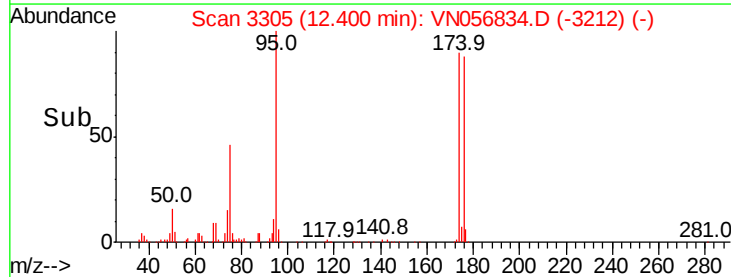
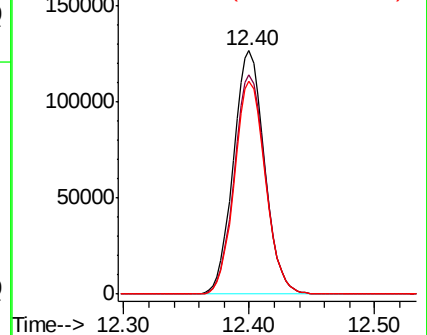
176 87.4 0.0 173.2

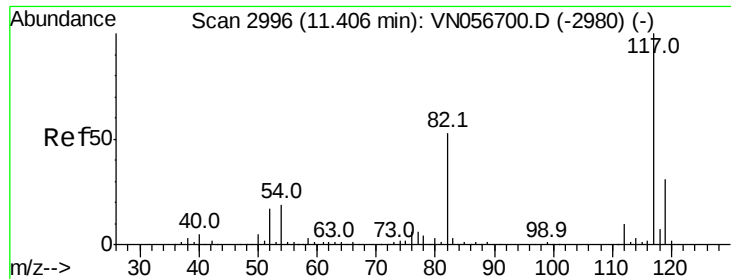


Abundance Ion 94.90 (94.60 to 95.60): VN056834.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN056834.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056834.D (-3212) (-)

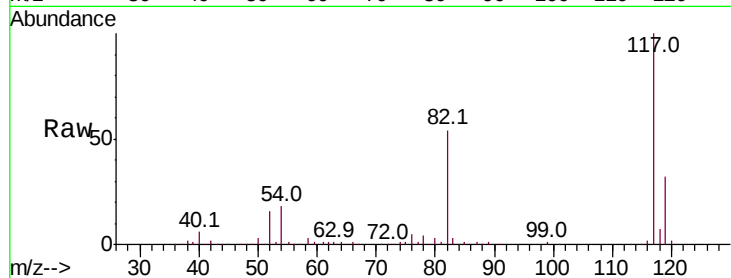




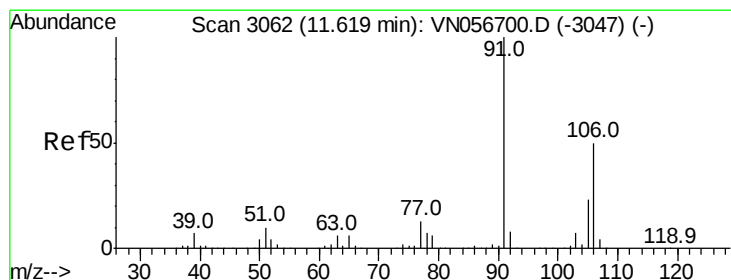
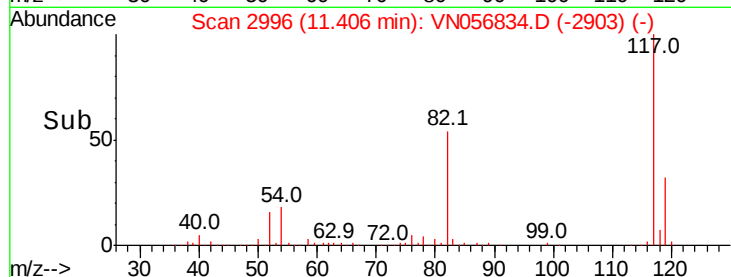
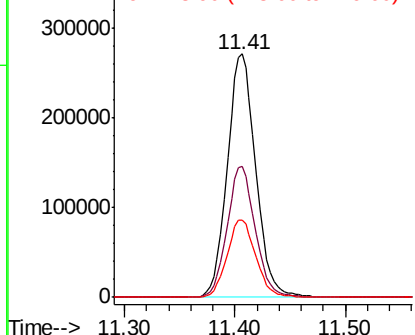
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056834.D
Acq: 19 Jul 2019 16:04

Instrument :
MSVOA_N
ClientSampled :
COMP-3DL

Tot Ion:117 Resp: 485080
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.2
119 31.9 25.2 37.8

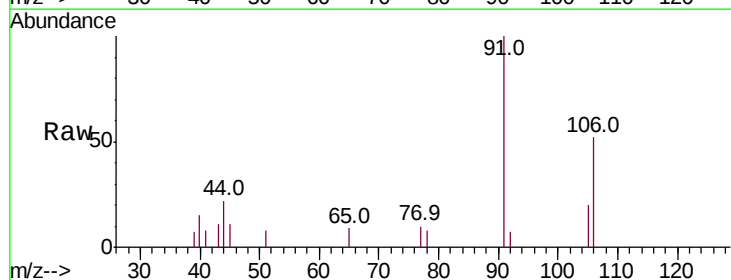


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

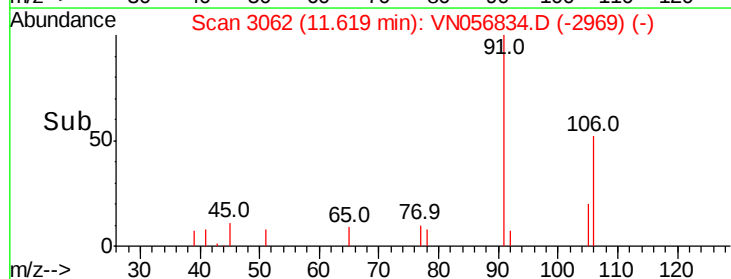
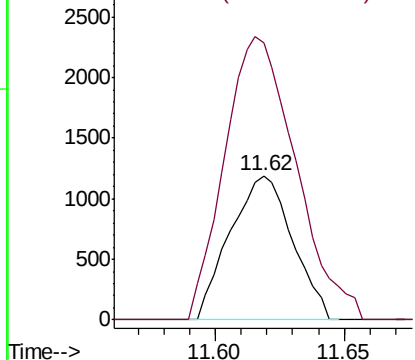


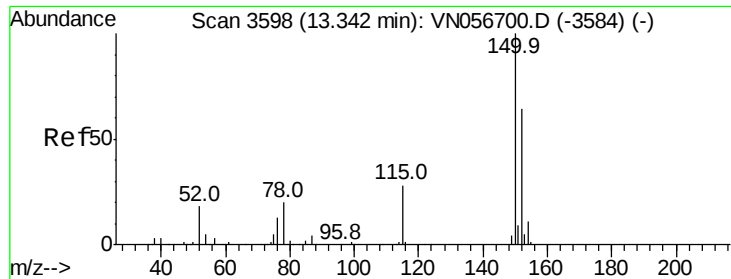
#68
m/p-Xylenes
Concen: 0.307 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056834.D
Acq: 19 Jul 2019 16:04

Tgt Ion:106 Resp: 1999
Ion Ratio Lower Upper
106 100
91 224.8 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056834.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

COMP-3DL

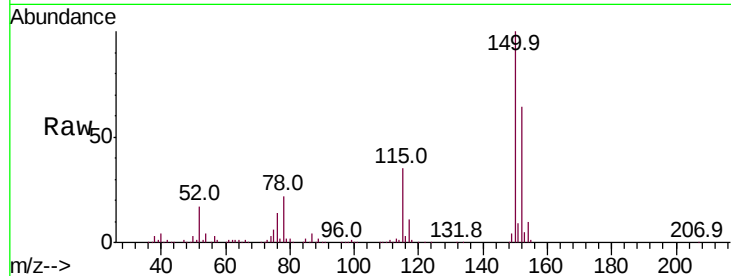
Tot Ion:152 Resp: 187650

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.7

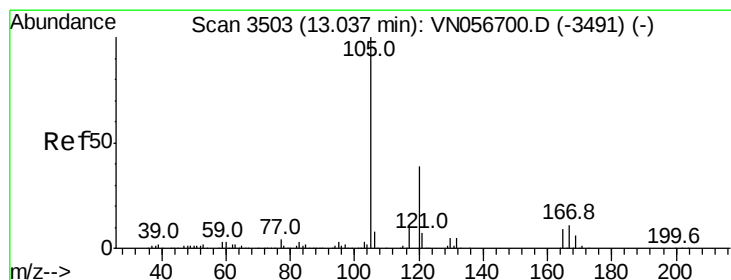
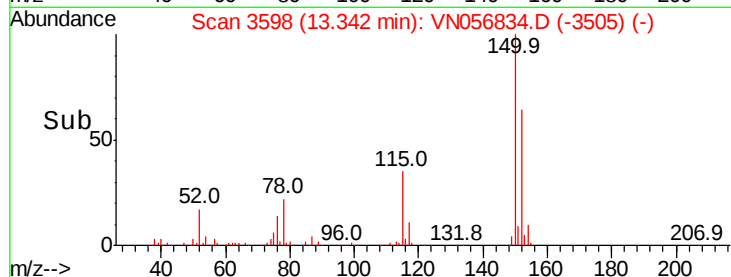
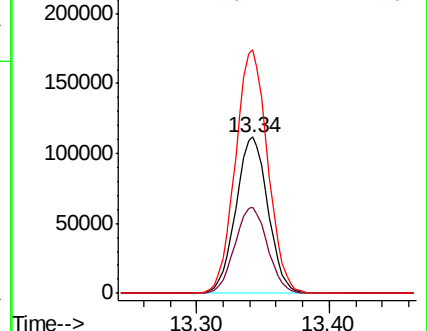
150 156.7 0.0 345.8



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



#84

1,2,4-Trimethylbenzene

Concen: 0.330 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN056834.D

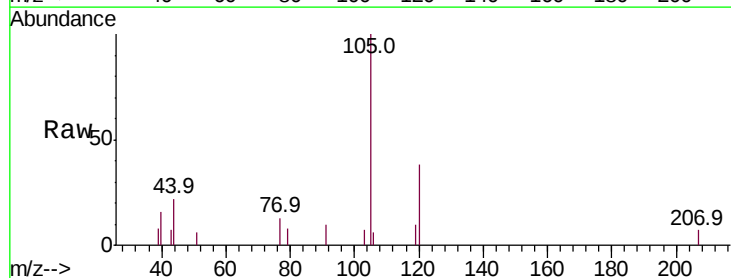
Acq: 19 Jul 2019 16:04

Tgt Ion:105 Resp: 4130

Ion Ratio Lower Upper

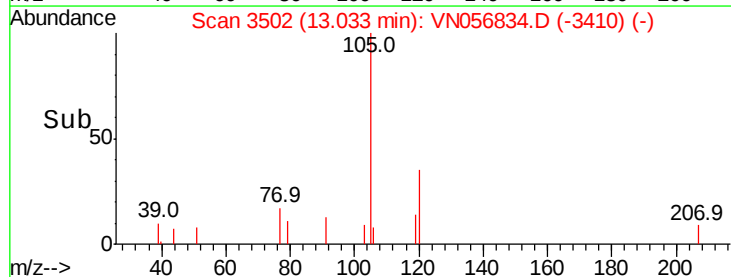
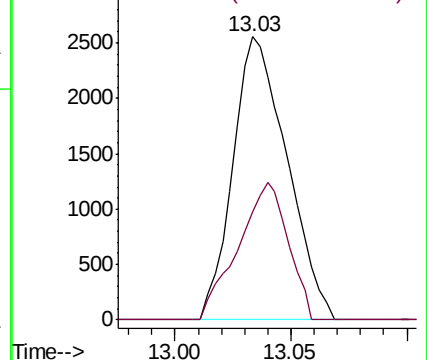
105 100

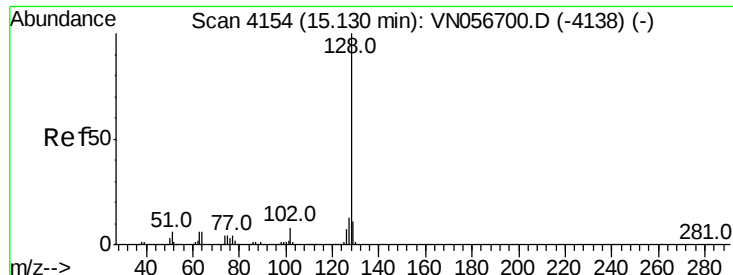
120 44.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 5.377 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056834.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

COMP-3DL

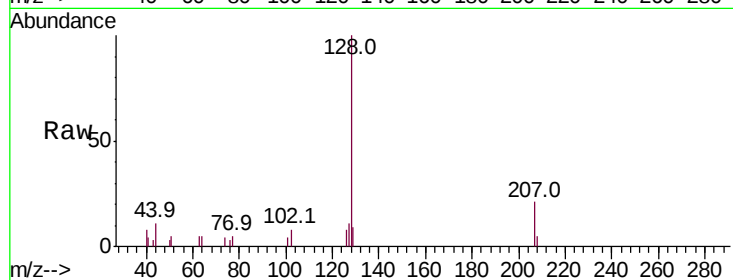
Tot Ion:128 Resp: 9412

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

129 9.3 8.7 13.1



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

