

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081618\
 Data File : VN050694.D
 Acq On : 16 Aug 2018 11:30
 Operator : MD\SY
 Sample : J4502-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

Quant Time: Aug 17 15:41:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	666084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	985392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	859087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291576	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	413462	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
35) Dibromofluoromethane	7.59	113	390907	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.09	98	1400088	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	372786	38.11	ug/l	0.00
Spiked Amount			Recovery	=	76.22%	

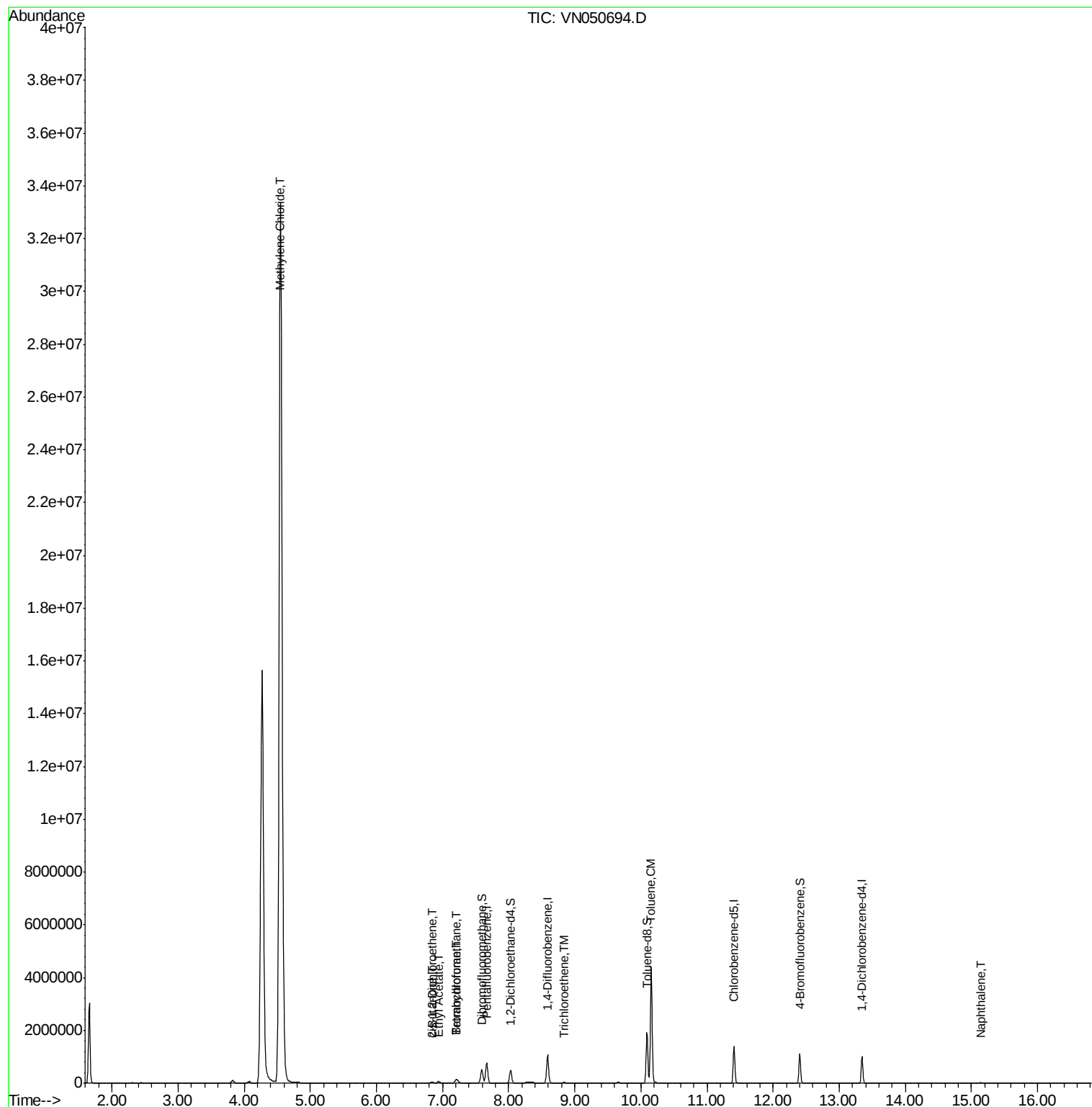
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.55	84	26808111	3445.64	ug/l	91
25) 2-Butanone	6.85	43	32232	9.36	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	14024	1.61	ug/l	95
28) Bromochloromethane	7.20	49	57437	8.46	ug/l	97
29) Tetrahydrofuran	7.22	42	57062	31.75	ug/l	99
37) Ethyl Acetate	6.93	43	86267	13.91	ug/l	98
44) Trichloroethene	8.84	130	15184	1.70	ug/l	97
52) Toluene	10.16	92	2003766	100.57	ug/l	99
95) Naphthalene	15.14	128	12322	4.87	ug/l	98

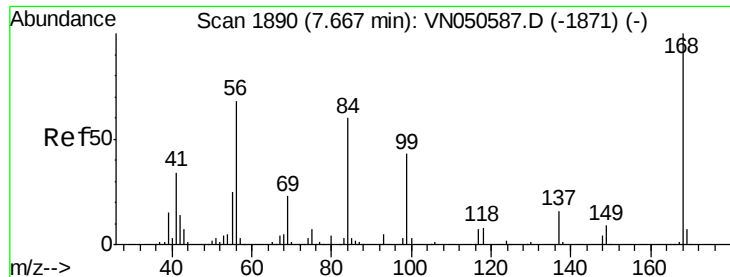
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

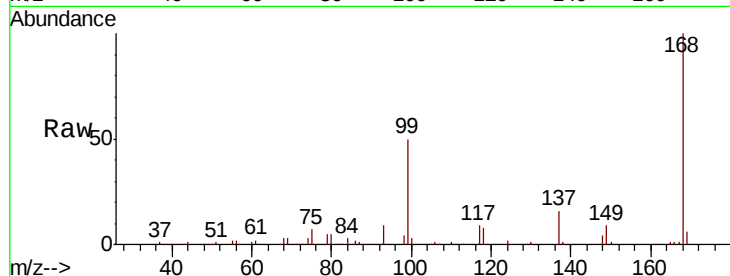
BROWN-FRAC-TANK

Tot Ion:168 Resp: 666084

Ion Ratio Lower Upper

168 100

99 50.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

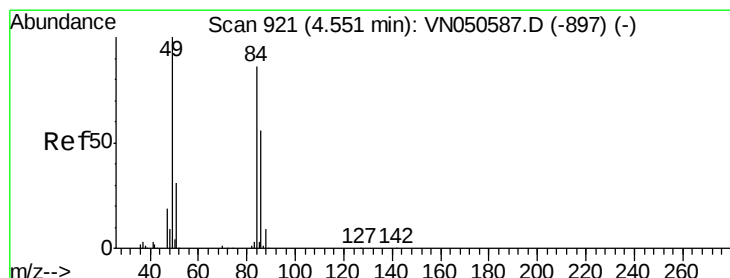
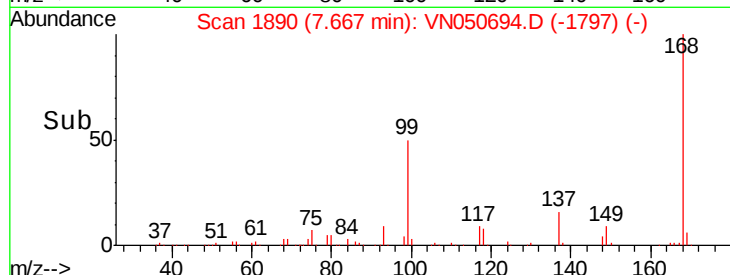
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#20

Methylene Chloride

Concen: 3445.64 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Tgt Ion: 84 Resp:26808111

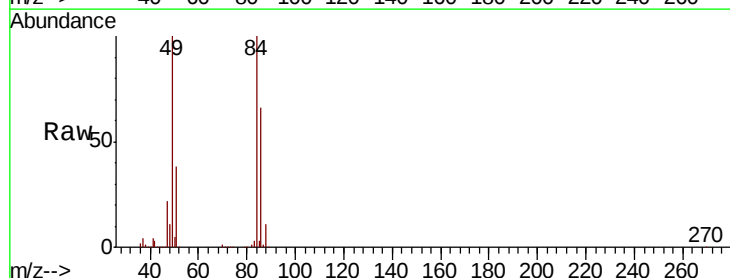
Ion Ratio Lower Upper

84 100

49 100.0 92.6 138.8

51 38.4 28.6 43.0

86 66.2 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

1.2e+07

1e+07

8000000

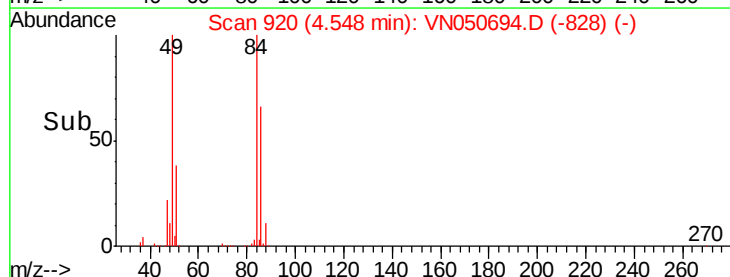
6000000

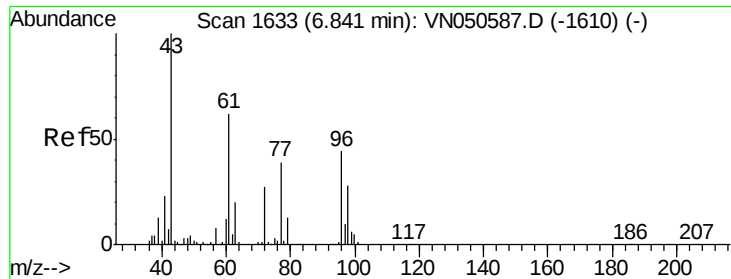
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2000000

0

Time--> 4.40 4.60 4.80

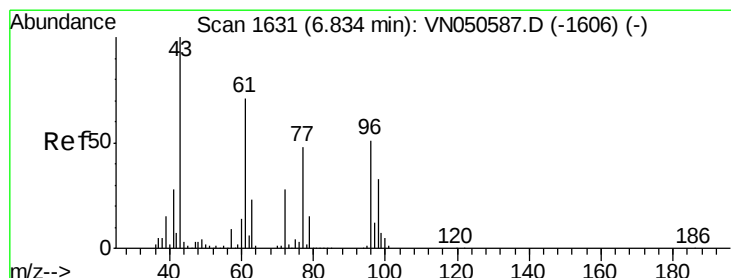
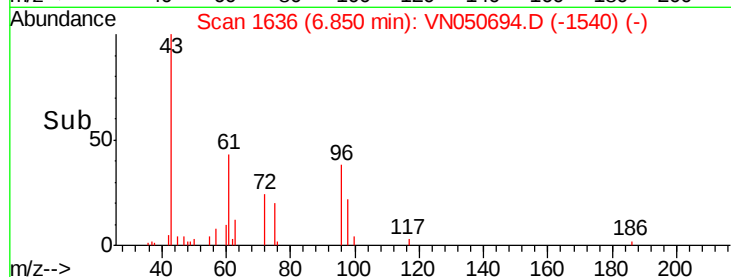
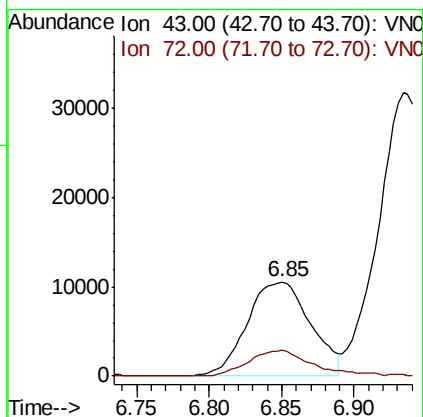
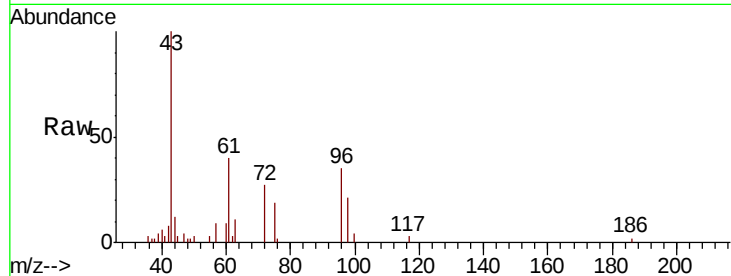




#25
 2-Butanone
 Concen: 9.36 ug/l
 RT: 6.85 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

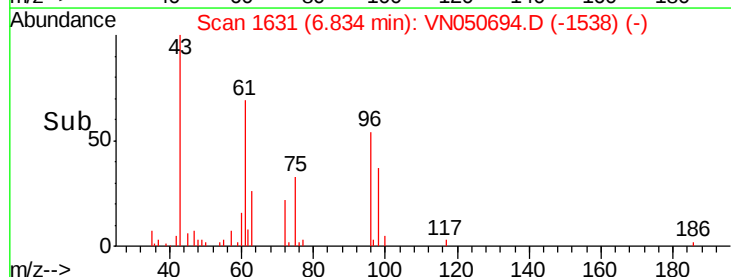
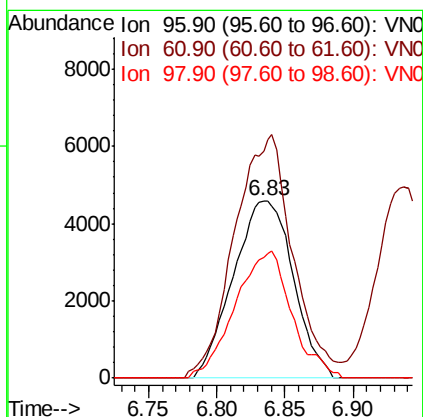
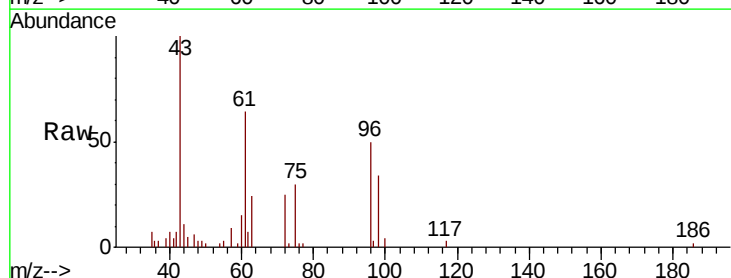
Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

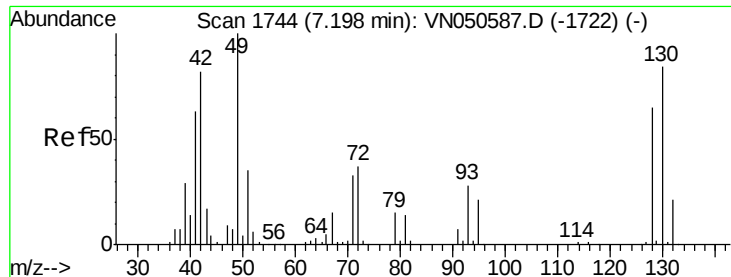
Tot Ion: 43 Resp: 32232
 Ion Ratio Lower Upper
 43 100
 72 27.1 21.8 32.6



#27
 cis-1,2-Dichloroethene
 Concen: 1.61 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Tgt Ion: 96 Resp: 14024
 Ion Ratio Lower Upper
 96 100
 61 133.1 0.0 278.2
 98 67.5 0.0 128.8





#28

Bromochloromethane

Concen: 8.46 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

BROWN-FRAC-TANK

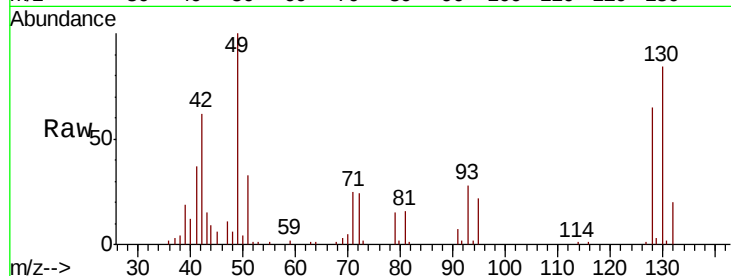
Tot Ion: 49 Resp: 57437

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.2

130 86.2 66.8 100.2

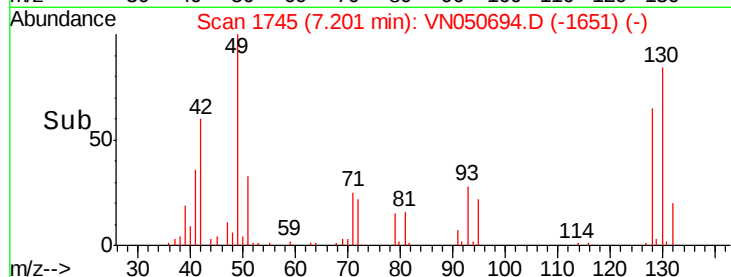


Abundance Ion 48.90 (48.60 to 49.60): VN050587.D (-1722) (-)

Ion 128.80 (128.50 to 129.50): VN050587.D (-1722) (-)

Ion 129.80 (129.50 to 130.50): VN050587.D (-1722) (-)

Time-->

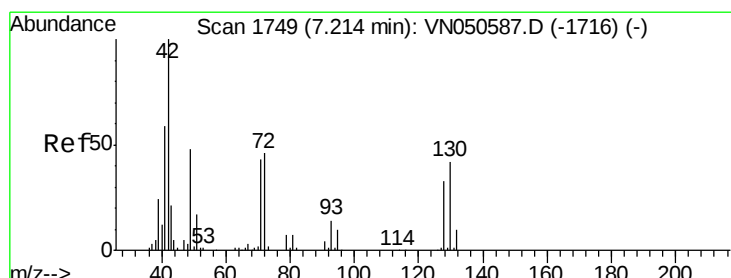


Abundance Ion 48.90 (48.60 to 49.60): VN050694.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050694.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN050694.D (-1651) (-)

Time-->



#29

Tetrahydrofuran

Concen: 31.75 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

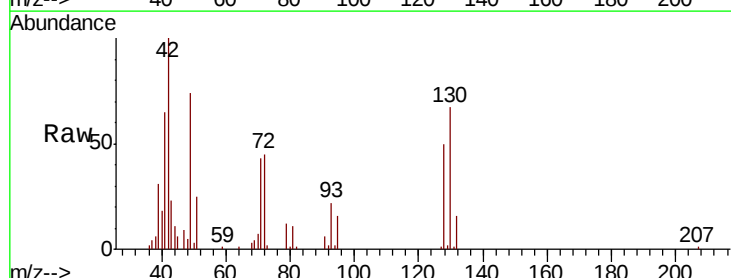
Tgt Ion: 42 Resp: 57062

Ion Ratio Lower Upper

42 100

72 44.1 35.8 53.6

71 41.9 33.4 50.0

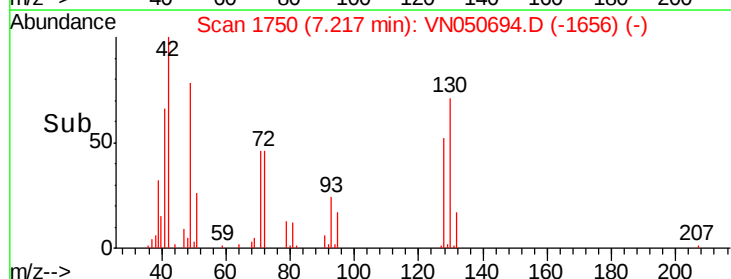


Abundance Ion 42.00 (41.70 to 42.70): VN050587.D (-1716) (-)

Ion 72.00 (71.70 to 72.70): VN050587.D (-1716) (-)

Ion 71.00 (70.70 to 71.70): VN050587.D (-1716) (-)

Time-->

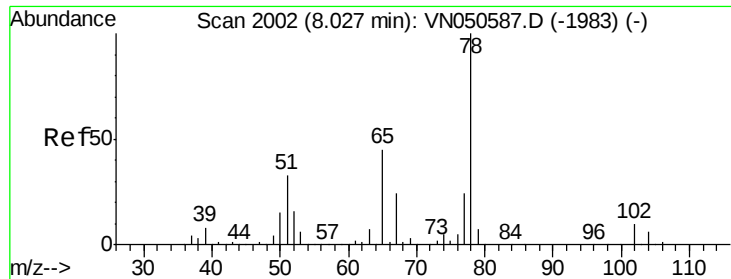


Abundance Ion 42.00 (41.70 to 42.70): VN050694.D (-1656) (-)

Ion 72.00 (71.70 to 72.70): VN050694.D (-1656) (-)

Ion 71.00 (70.70 to 71.70): VN050694.D (-1656) (-)

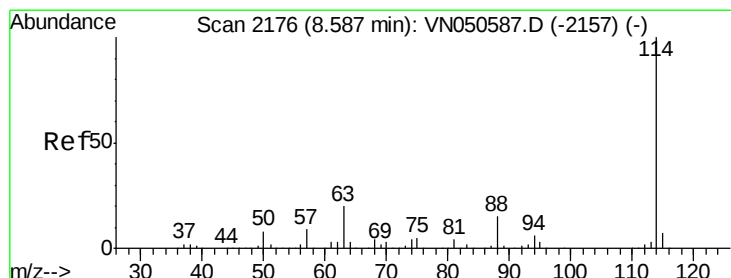
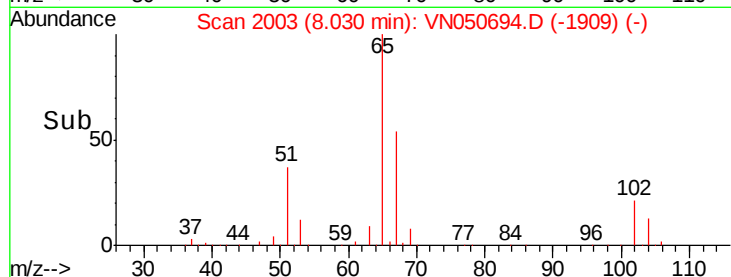
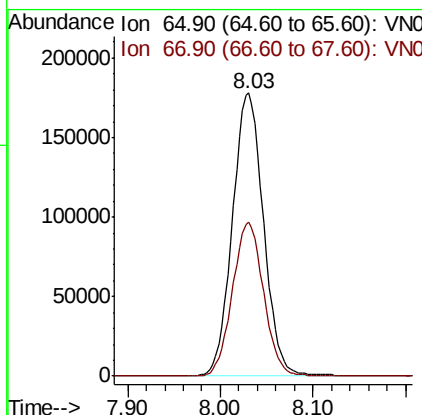
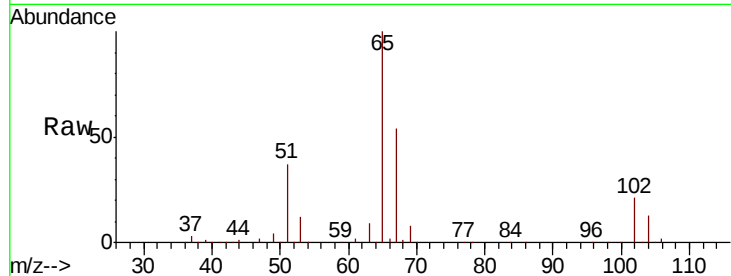
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 49.24 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

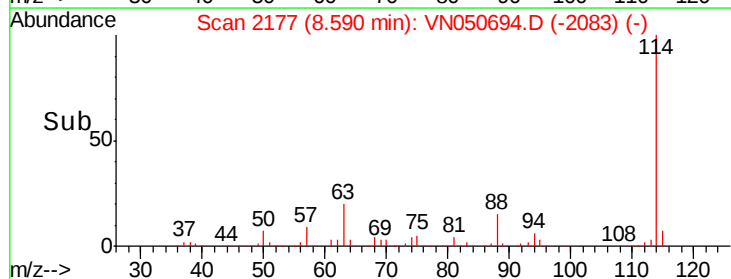
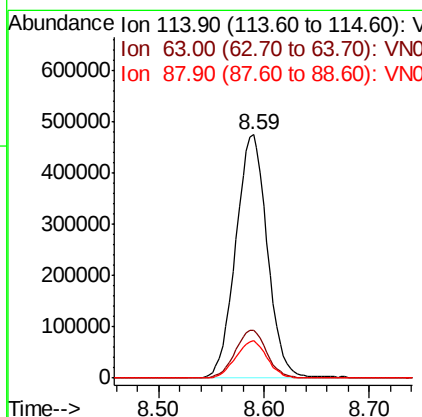
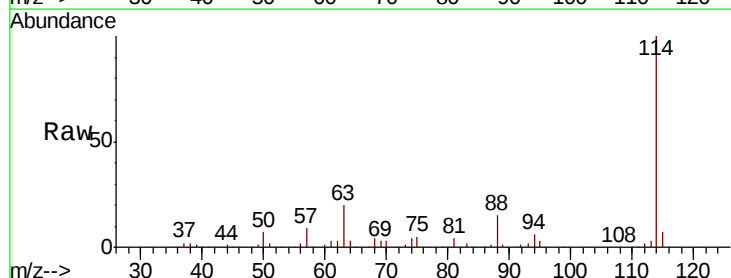
Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

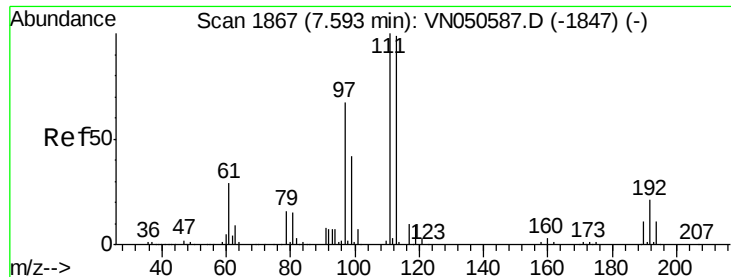
Tot Ion: 65 Resp: 413462
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Tgt Ion: 114 Resp: 985392
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 30.8

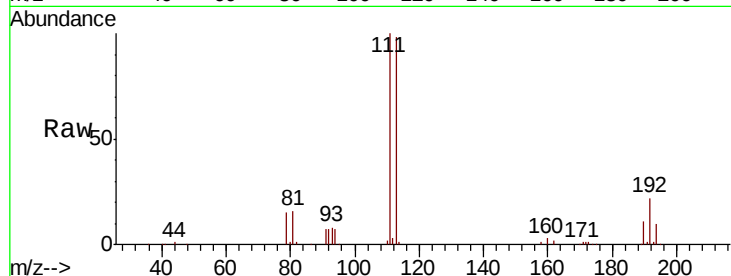




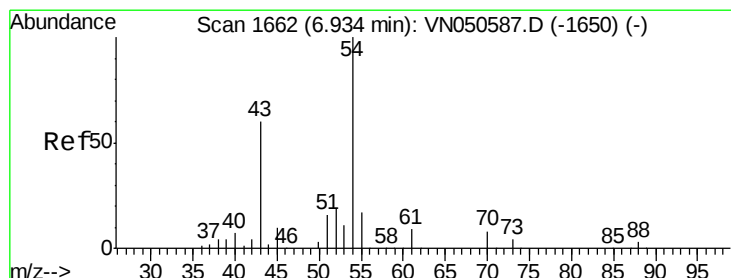
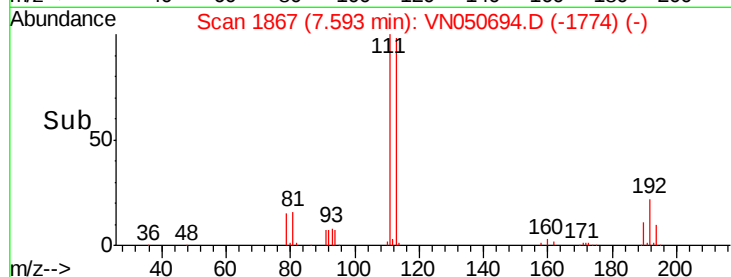
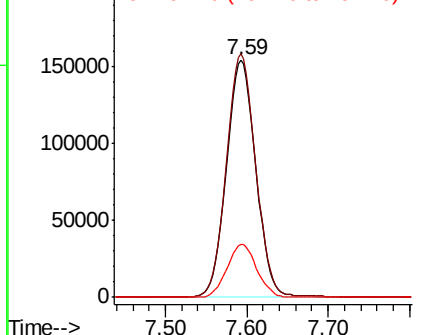
#35
Dibromofluoromethane
Concen: 49.69 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
BROWN-FRAC-TANK

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.5	17.6	26.4

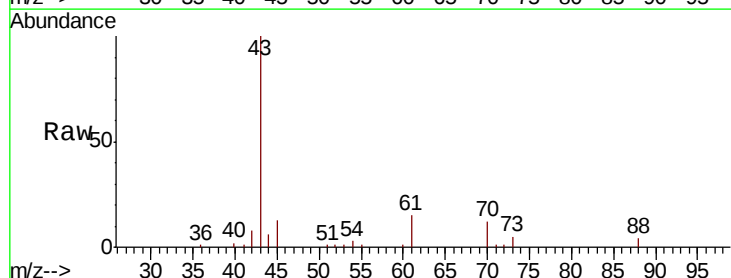


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

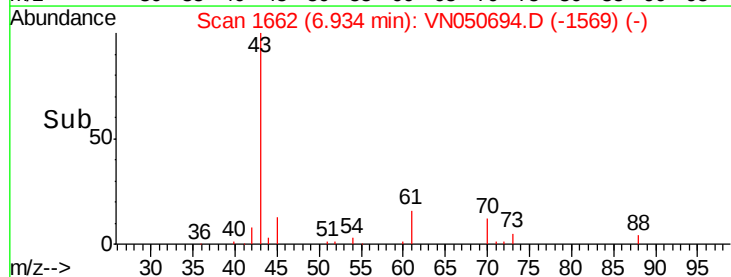
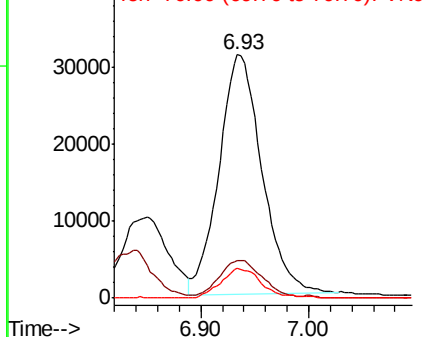


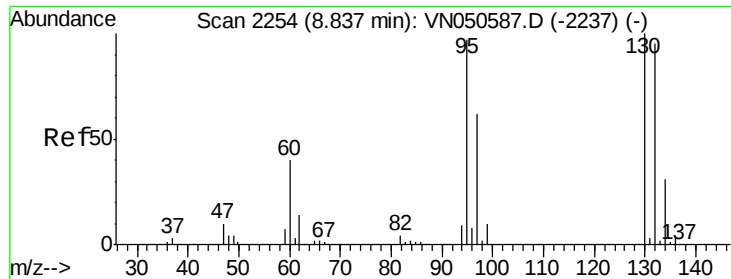
#37
Ethyl Acetate
Concen: 13.91 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.0	18.0
70	11.8	8.5	12.7



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 60.90 (60.60 to 61.60): V
Ion 70.00 (69.70 to 70.70): V





#44

Trichloroethene

Concen: 1.70 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

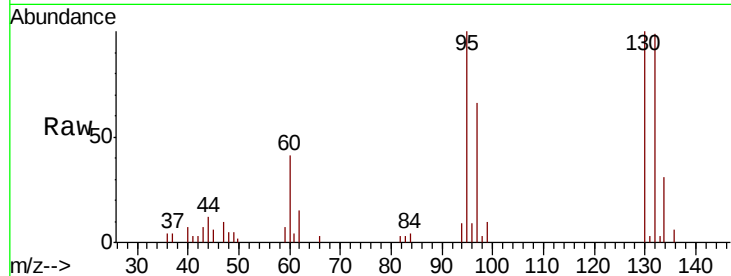
BROWN-FRAC-TANK

Tot Ion:130 Resp: 15184

Ion Ratio Lower Upper

130 100

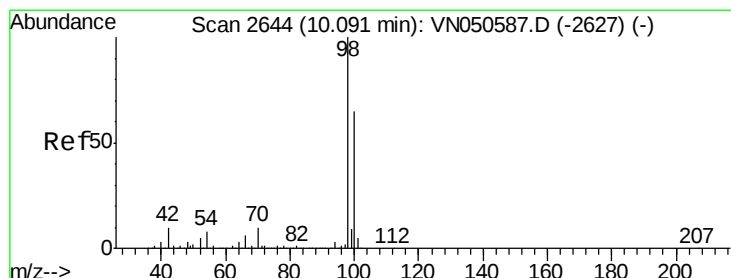
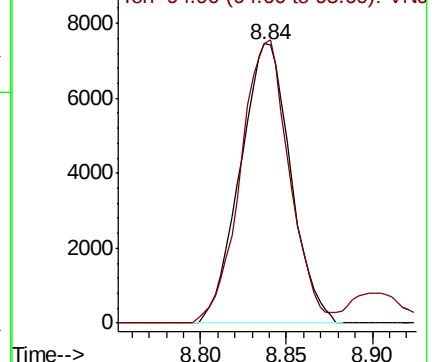
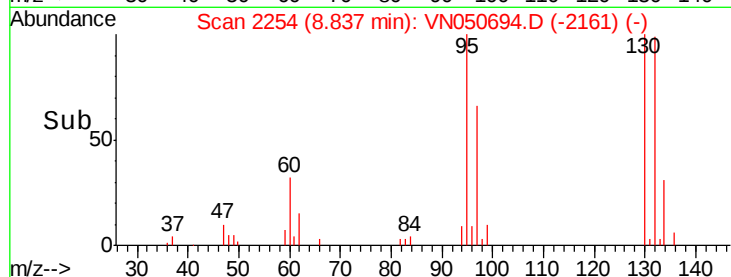
95 100.3 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN050587.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050587.D (-2237) (-)

8.84



#50

Toluene-d8

Concen: 47.29 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050694.D

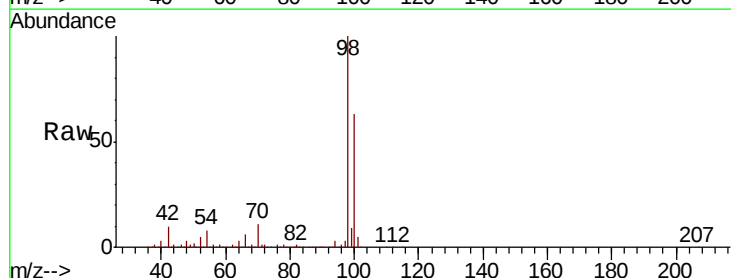
Acq: 16 Aug 2018 11:30

Tgt Ion: 98 Resp: 1400088

Ion Ratio Lower Upper

98 100

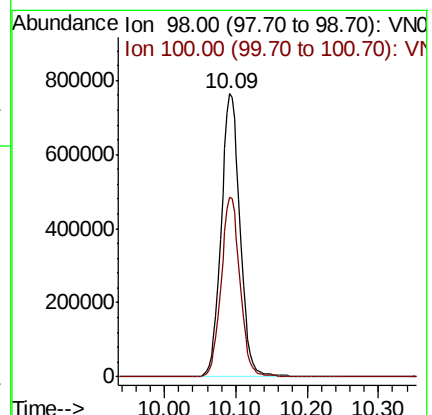
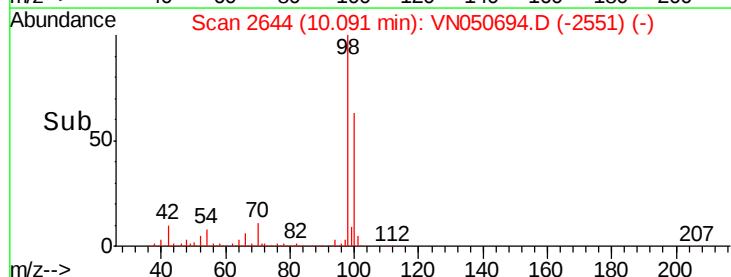
100 63.3 51.8 77.8

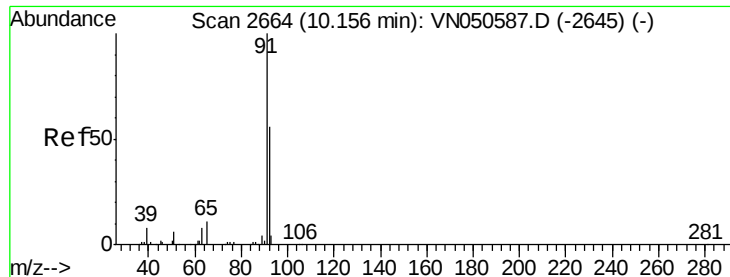


Abundance Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050587.D (-2627) (-)

10.09





#52

Toluene

Concen: 100.57 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

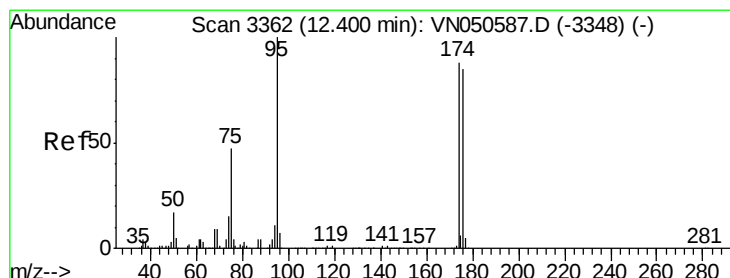
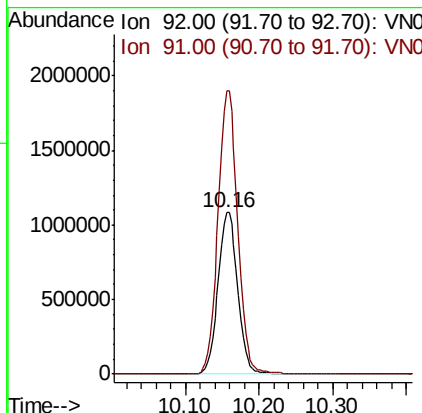
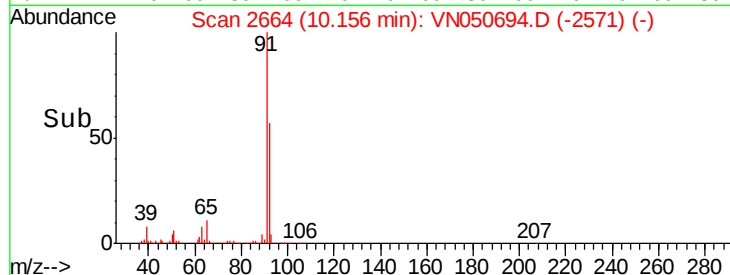
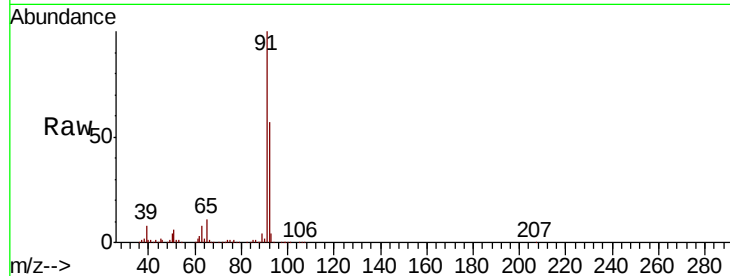
BROWN-FRAC-TANK

Tot Ion: 92 Resp: 2003766

Ion Ratio Lower Upper

92 100

91 175.5 141.9 212.9



#62

4-Bromofluorobenzene

Concen: 38.11 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

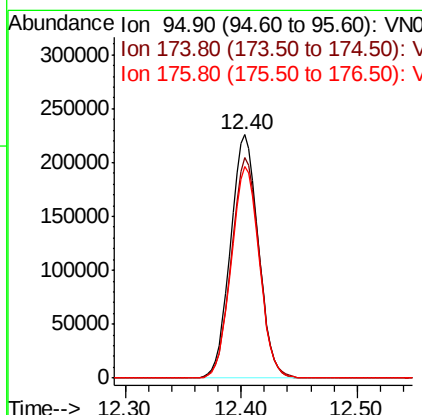
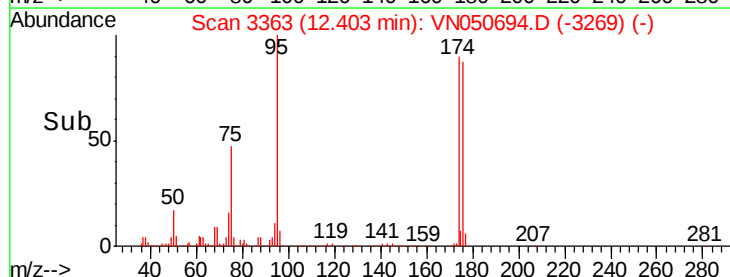
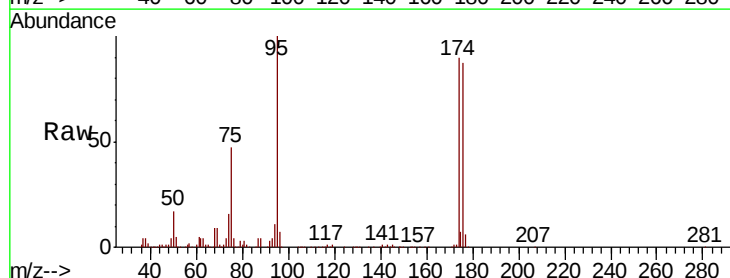
Tgt Ion: 95 Resp: 372786

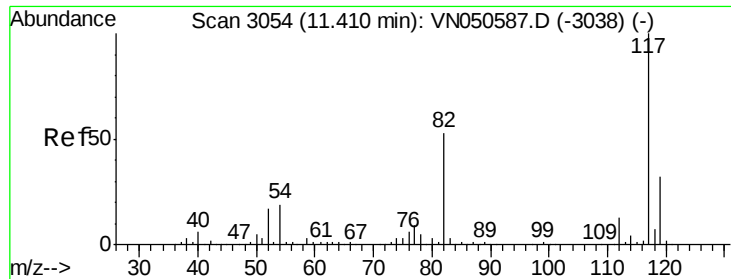
Ion Ratio Lower Upper

95 100

174 90.8 0.0 177.8

176 87.1 0.0 175.0

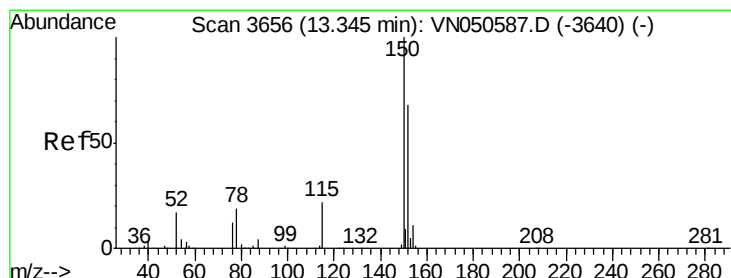
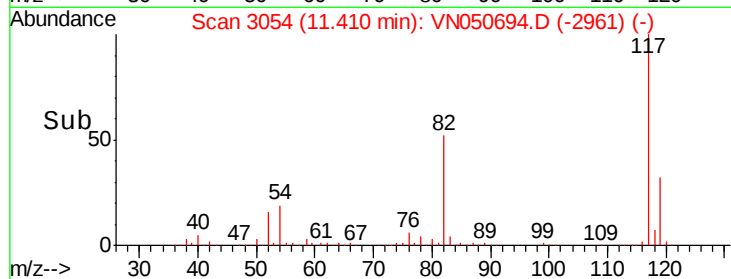
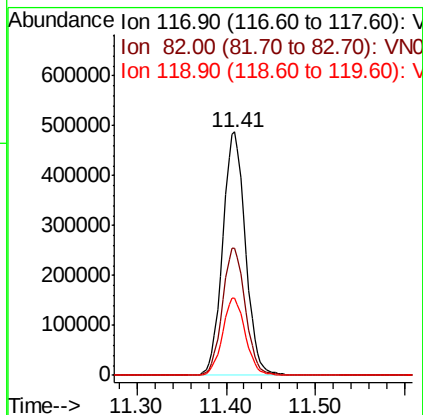
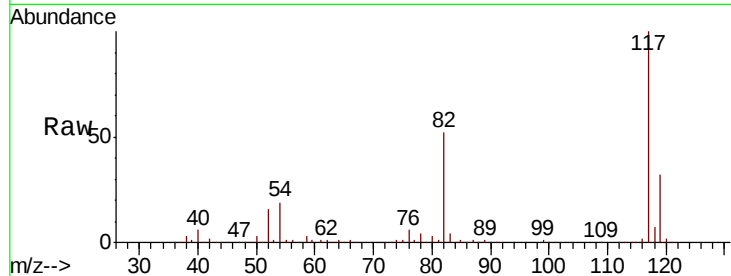




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

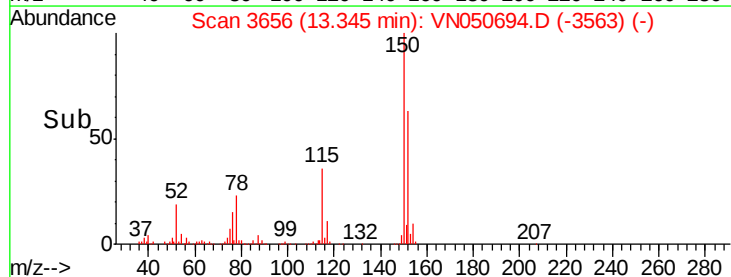
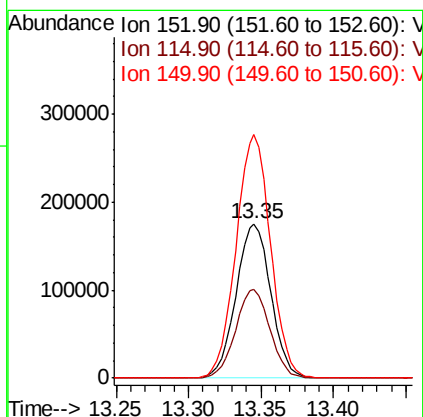
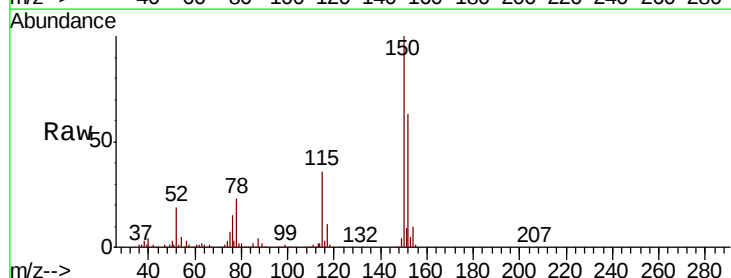
Instrument :
MSVOA_N
ClientSampleId :
BROWN-FRAC-TANK

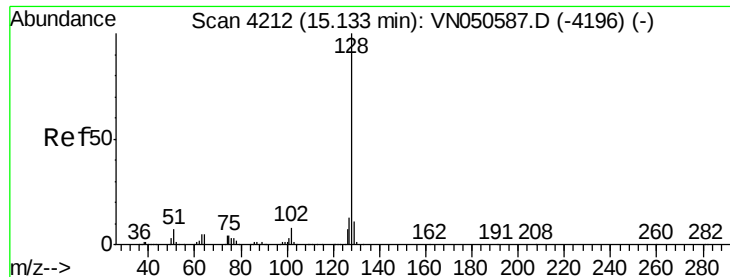
Tot Ion:117 Resp: 859087
Ion Ratio Lower Upper
117 100
82 52.3 42.4 63.6
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Tgt Ion:152 Resp: 291576
Ion Ratio Lower Upper
152 100
115 56.8 28.1 84.2
150 156.5 0.0 347.8

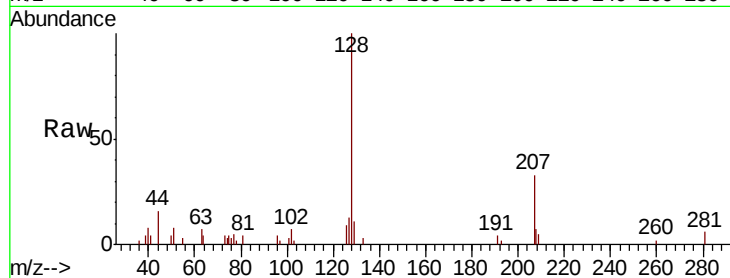




#95
 Naphthalene
 Concen: 4.87 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.3	15.5
129	11.5	8.5	12.7



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

