

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 03:01:26 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

33) 1,2-Dichloroethane-d4	8.03	65	413462	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
35) Dibromofluoromethane	7.59	113	390907	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	1400088	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	372786	38.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.22%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3515	Below Cal		98
5) Bromomethane	2.57	94	4297	Below Cal		85
6) Chloroethane	2.70	64	566	Below Cal	#	43
10) Methyl Iodide	3.95	142	1662	7.203	ug/l #	59
11) Tert butyl alcohol	4.79	59	305	0.665	ug/l #	72
13) Acrolein	3.61	56	2406	3.894	ug/l	99
14) Allyl chloride	4.27	41	26337096	2342.720	ug/l #	41
15) Acrylonitrile	4.99	53	527	0.209	ug/l #	52
16) Acetone	3.82	43	166139	78.254	ug/l	100
17) Carbon Disulfide	4.05	76	7524	0.331	ug/l	96
18) Methyl Acetate	4.33	43	10786	0.851	ug/l	93
20) Methylene Chloride	4.55	84	26808111	3445.644	ug/l	91
25) 2-Butanone	6.85	43	32232	9.363	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	14024	1.607	ug/l	95
28) Bromochloromethane	7.20	49	57437	8.462	ug/l	97
29) Tetrahydrofuran	7.22	42	57062	31.746	ug/l	99
30) Chloroform	7.38	83	3838	0.254	ug/l	90
31) Cyclohexane	7.67	56	11678	0.576	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44335	4.042	ug/l #	48
37) Ethyl Acetate	6.93	43	86267	13.913	ug/l	98
38) Carbon Tetrachloride	7.67	117	58455	5.137	ug/l #	16
41) Methacrylonitrile	7.22	41	36841	10.990	ug/l #	41
44) Trichloroethene	8.84	130	15184	1.699	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2784	0.364	ug/l	96
52) Toluene	10.16	92	2003766	100.569	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	21834	2.091	ug/l #	1
56) Ethyl methacrylate	10.43	69	95	1.914	ug/l #	28
59) 2-Hexanone	10.76	43	1915	0.388	ug/l	86
64) Tetrachloroethene	10.63	164	1679	0.210	ug/l	92
68) m/p-Xylenes	11.62	106	3711	0.281	ug/l	85
70) Styrene	11.97	104	1351	1.000	ug/l #	86
71) Bromoform	12.41	173	3073	0.578	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	410	Below Cal	#	76
76) 1,2,3-Trichloropropane	12.40	75	178037	37.537	ug/l #	100

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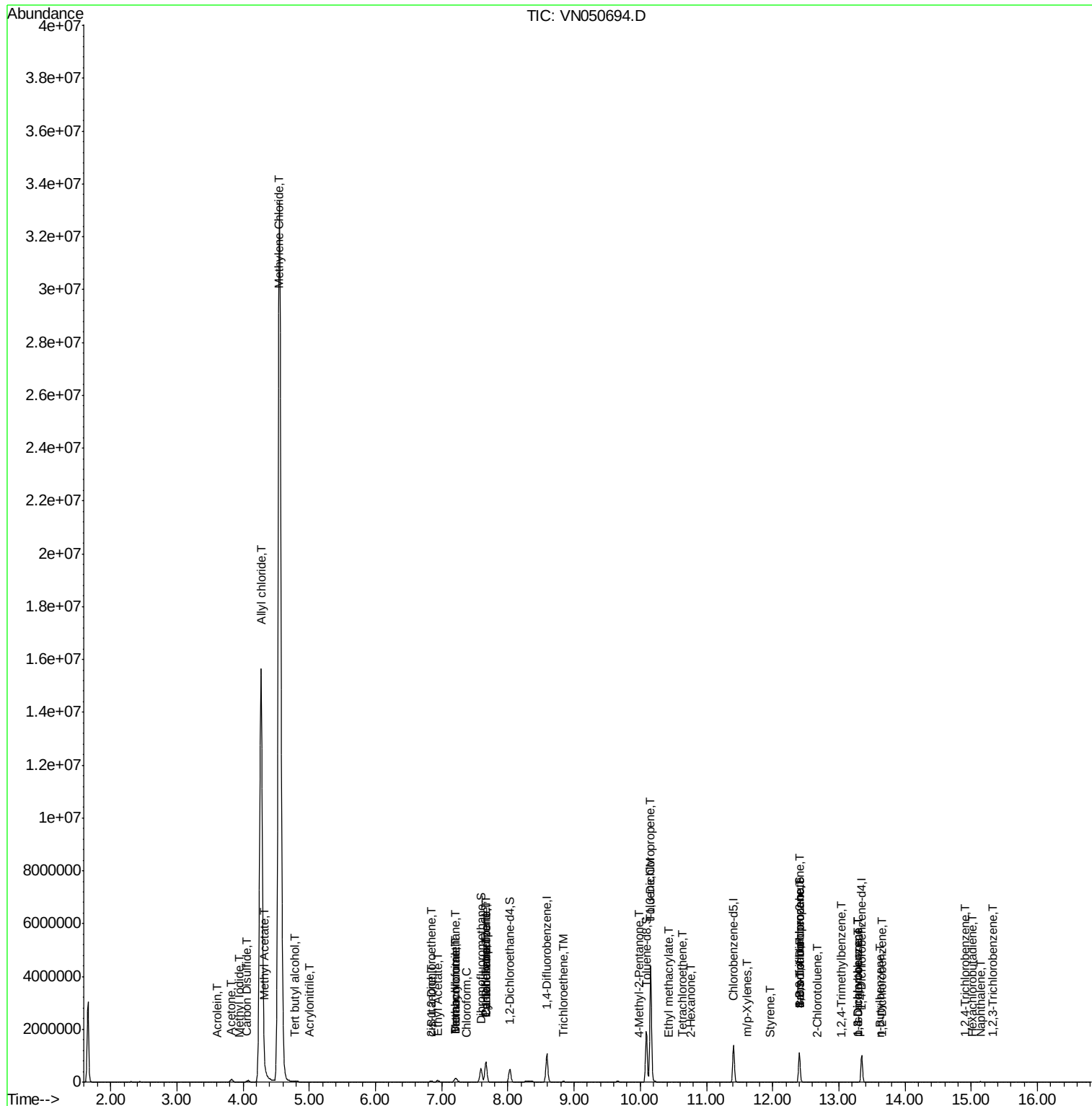
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.68	91	3682	0.232	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	178037	135.750	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	4102	0.224	ug/l	94
86) p-Isopropyltoluene	13.29	119	4863	0.277	ug/l	91
87) 1,3-Dichlorobenzene	13.28	146	3250	0.309	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	3250	0.311	ug/l	99
89) n-Butylbenzene	13.62	91	2923	0.206	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	2620	0.255	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	3382	3.281	ug/l	96
94) Hexachlorobutadiene	15.01	225	1818	0.577	ug/l	93
95) Naphthalene	15.14	128	12322	4.875	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	4021	2.724	ug/l	99

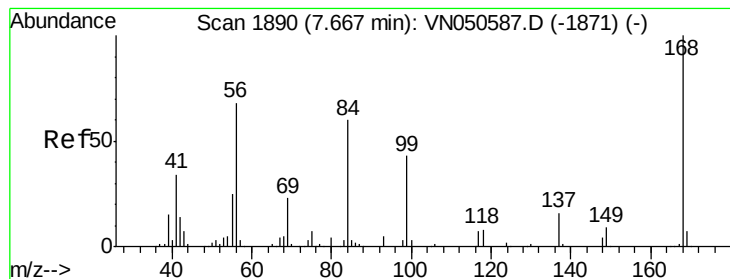
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 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 :

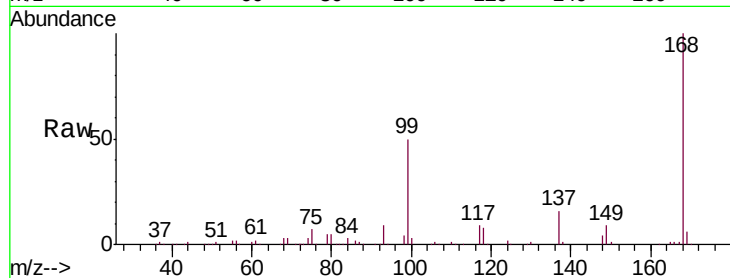
BROWN-FRAC-TANK

Tgt Ion:168 Resp: 666084

Ion Ratio Lower Upper

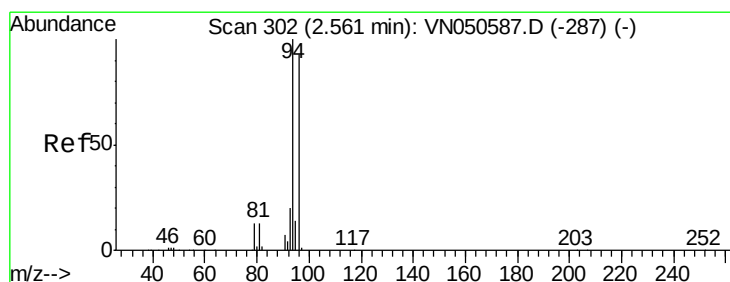
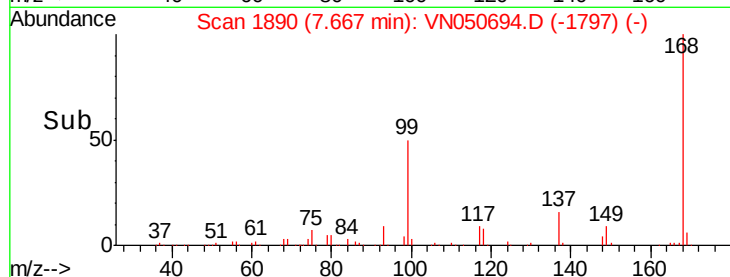
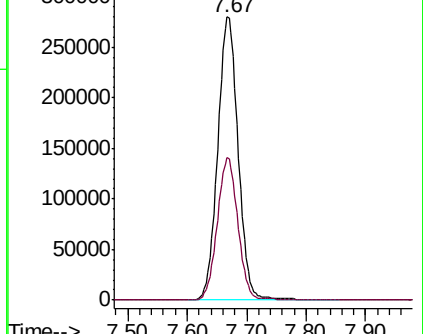
168 100

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): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050694.D

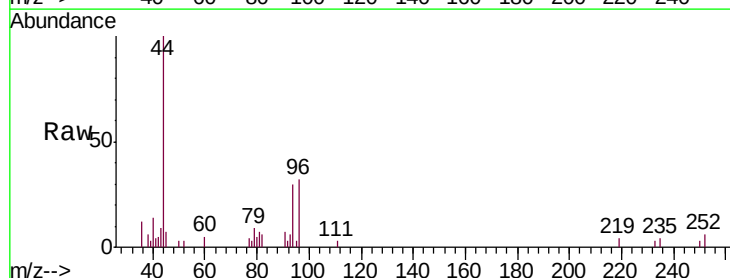
Acq: 16 Aug 2018 11:30

Tgt Ion: 94 Resp: 4297

Ion Ratio Lower Upper

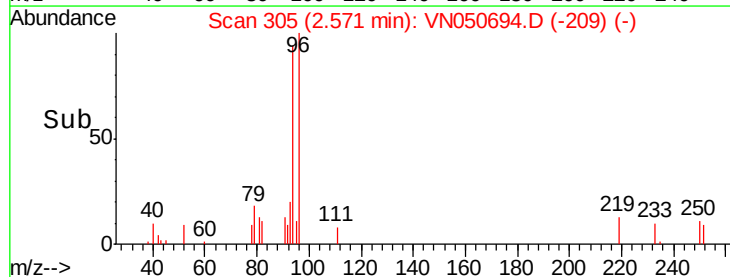
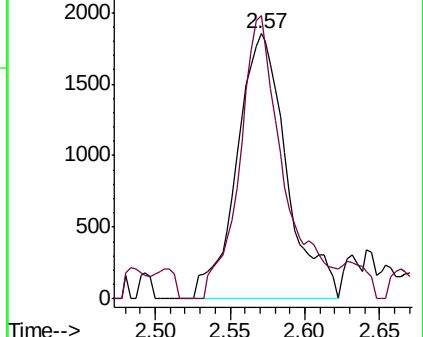
94 100

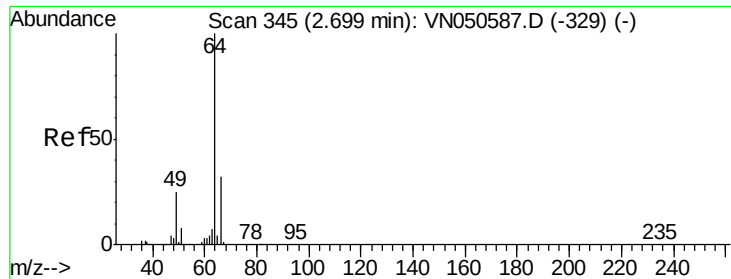
96 106.8 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

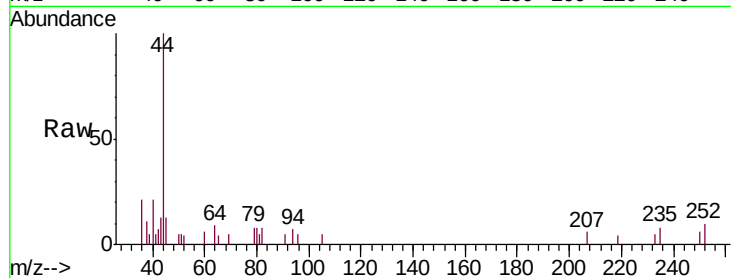
BROWN-FRAC-TANK

Tgt Ion: 64 Resp: 566

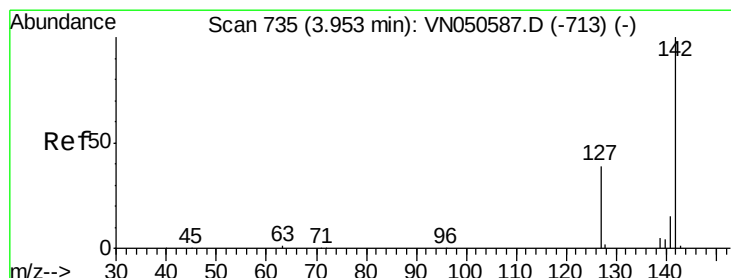
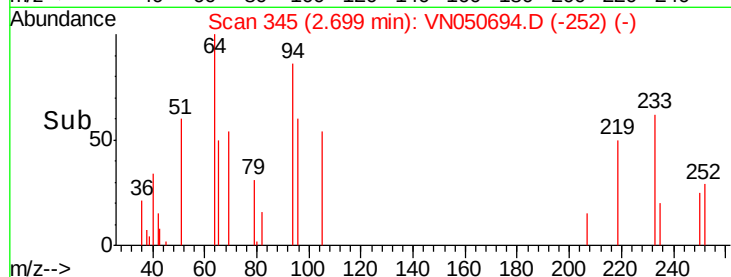
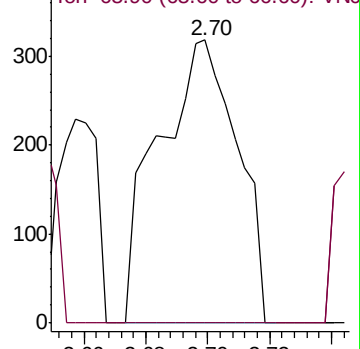
Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN050587.D (-329) (-)



#10

Methyl Iodide

Concen: 7.203 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

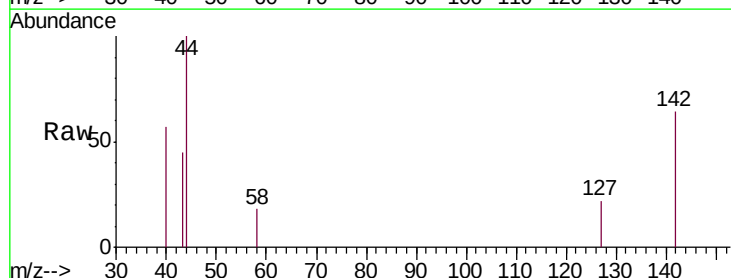
Tgt Ion: 142 Resp: 1662

Ion Ratio Lower Upper

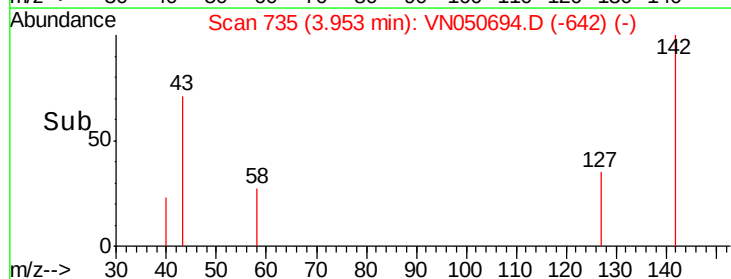
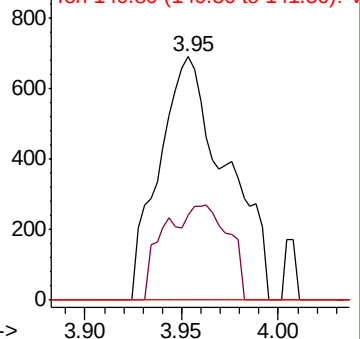
142 100

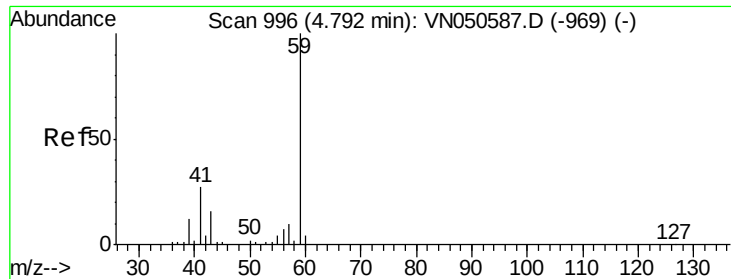
127 13.6 32.6 49.0#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VN050587.D (-713) (-)

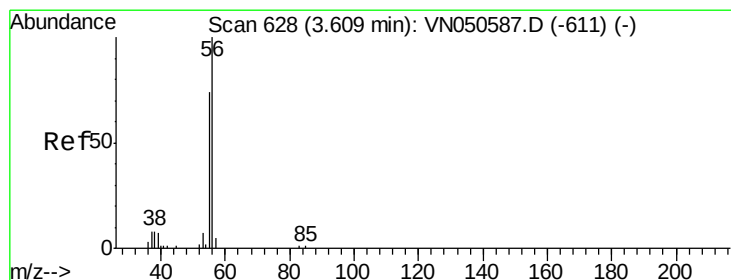
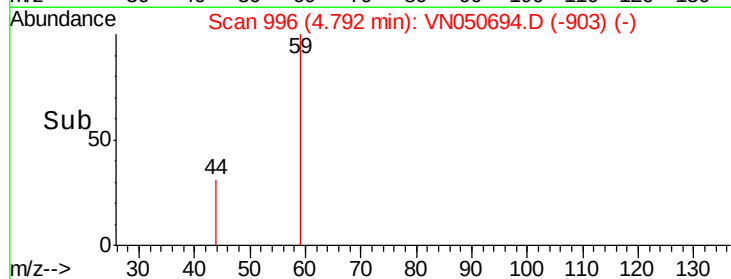
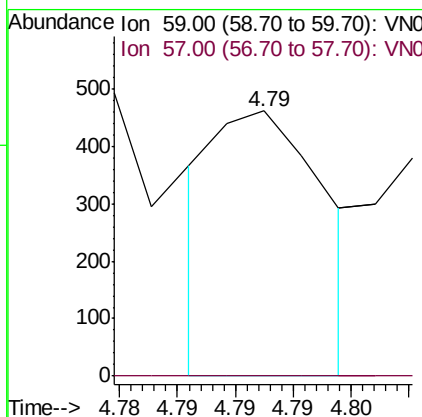
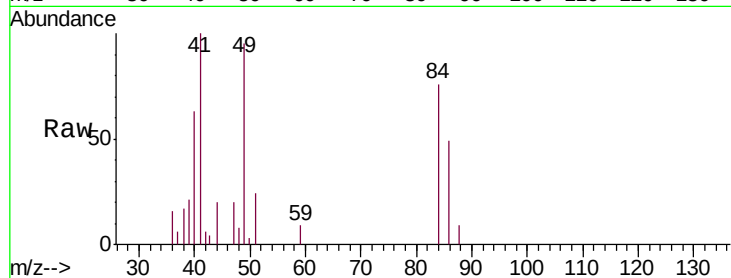




#11
Tert butyl alcohol
Concen: 0.665 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

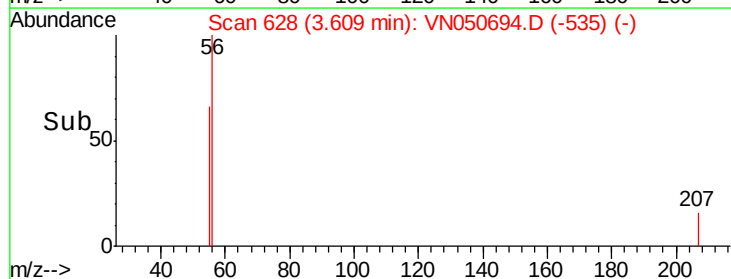
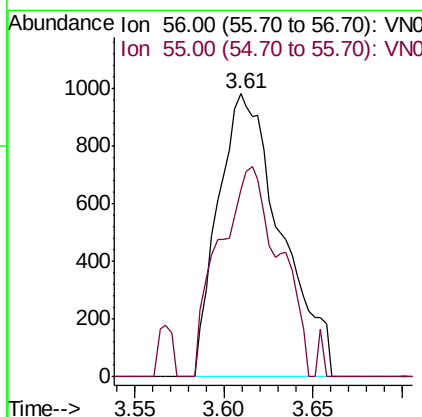
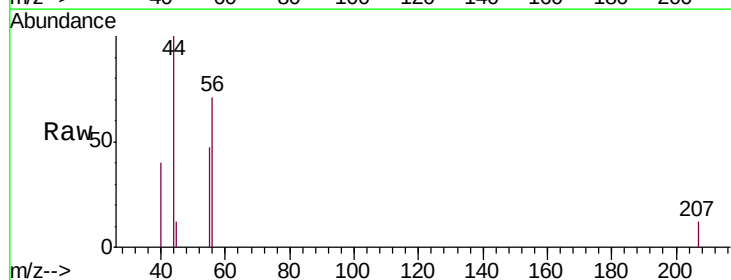
Instrument :
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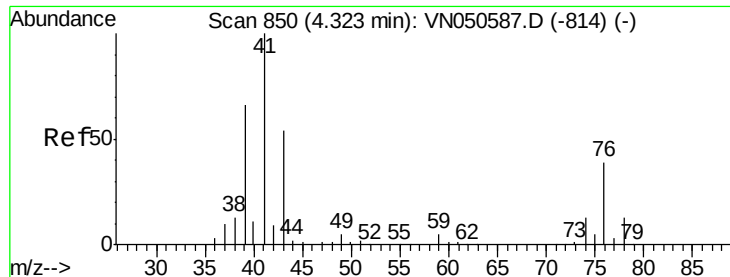
Tgt Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 3.894 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Tgt Ion: 56 Resp: 2406
Ion Ratio Lower Upper
56 100
55 71.2 56.3 84.5

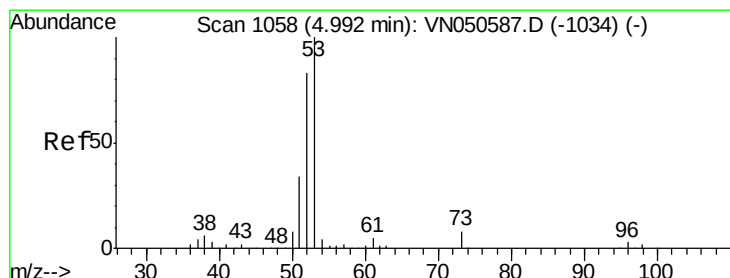
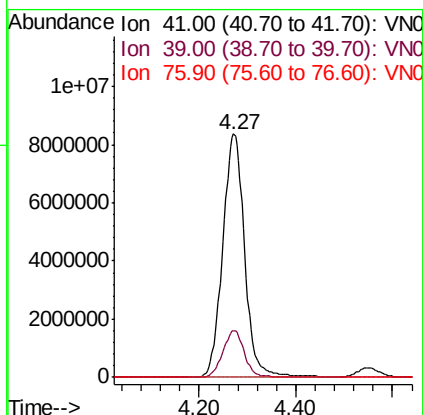
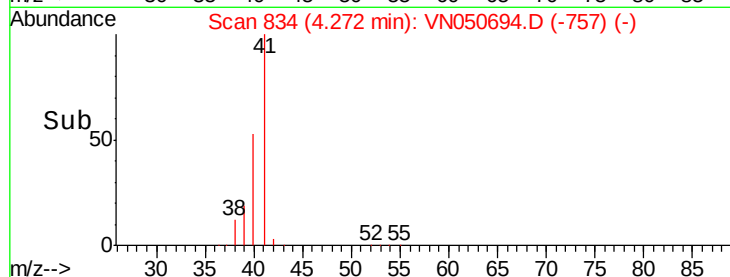
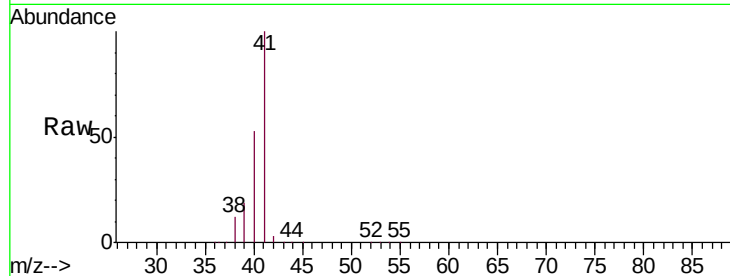




#14
 Allyl chloride
 Concen: 2342.720 ug/l
 RT: 4.27 min Scan# 834
 Delta R.T. -0.05 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

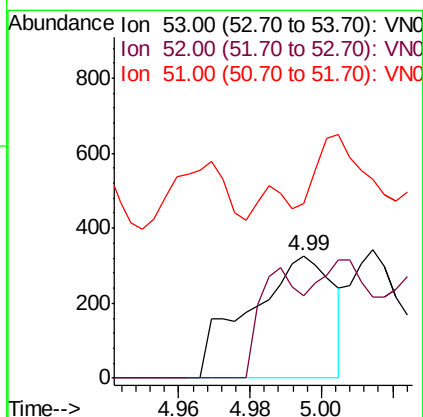
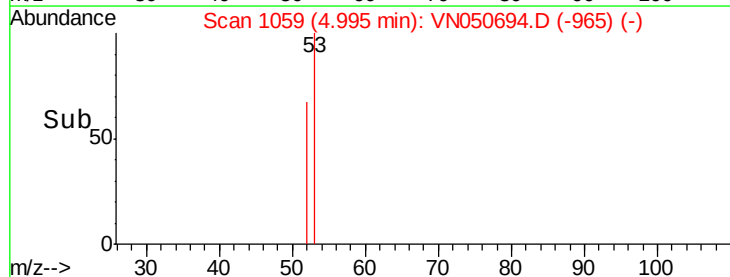
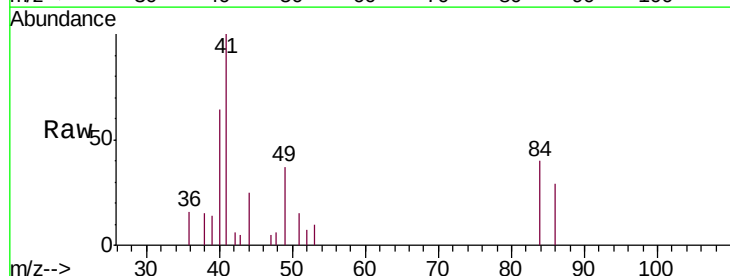
Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

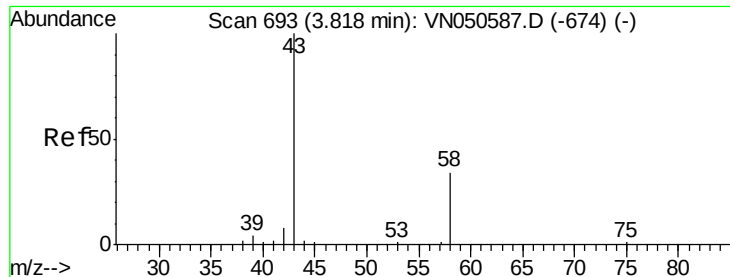
Tgt Ion: 41 Resp: 26337096
 Ion Ratio Lower Upper
 41 100
 39 19.1 51.4 77.0#
 76 0.0 29.4 44.0#



#15
 Acrylonitrile
 Concen: 0.209 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Tgt Ion: 53 Resp: 527
 Ion Ratio Lower Upper
 53 100
 52 44.8 66.2 99.2#
 51 0.0 28.6 43.0#





#16

Acetone

Concen: 78.254 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

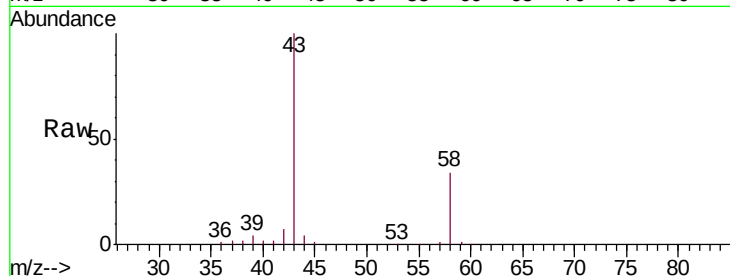
BROWN-FRAC-TANK

Tgt Ion: 43 Resp: 166139

Ion Ratio Lower Upper

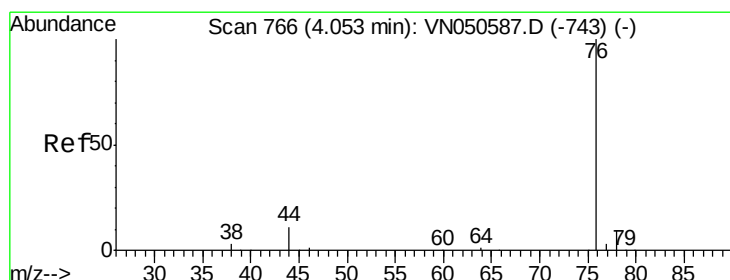
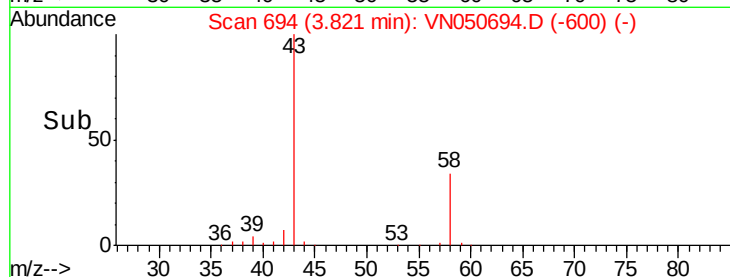
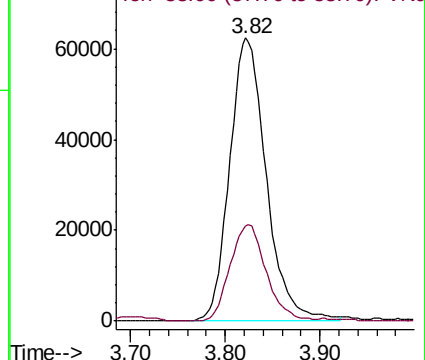
43 100

58 33.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.331 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050694.D

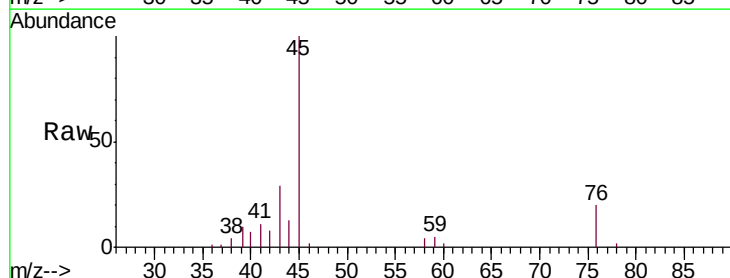
Acq: 16 Aug 2018 11:30

Tgt Ion: 76 Resp: 7524

Ion Ratio Lower Upper

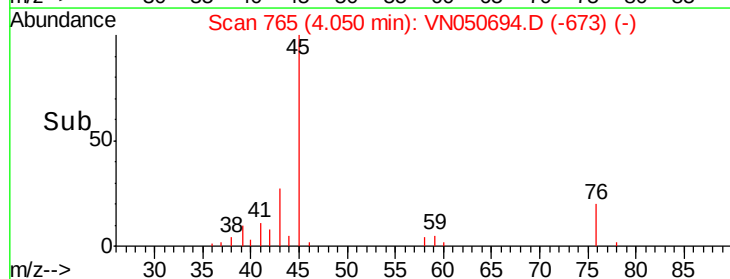
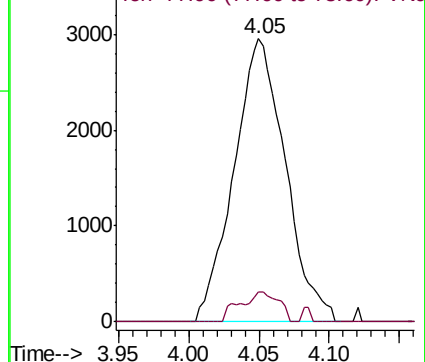
76 100

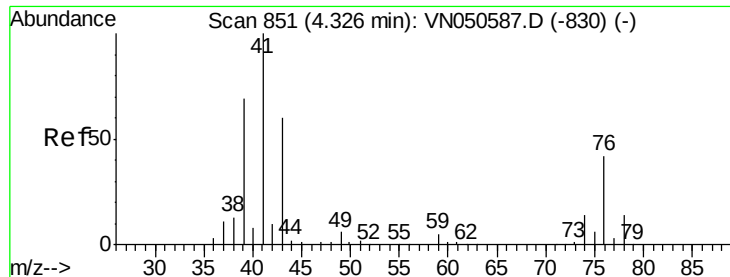
78 10.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#18

Methyl Acetate

Concen: 0.851 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

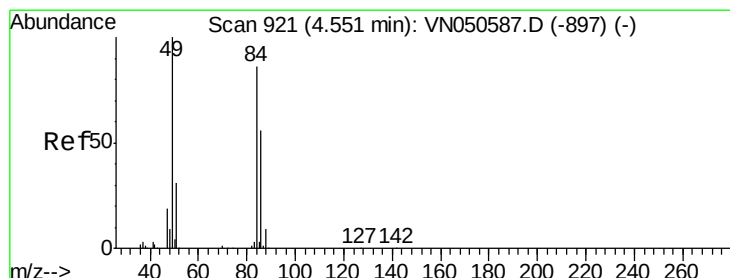
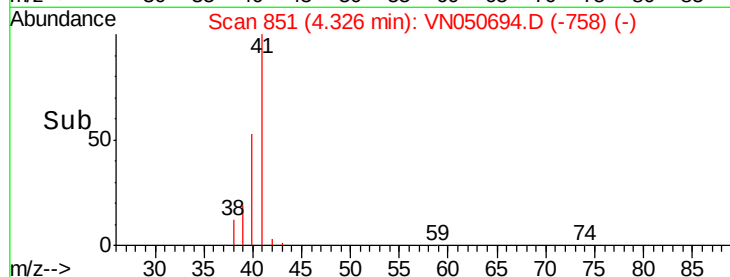
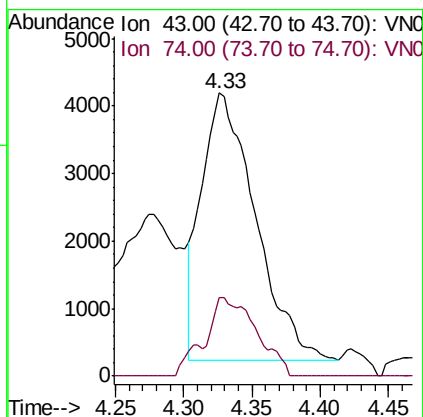
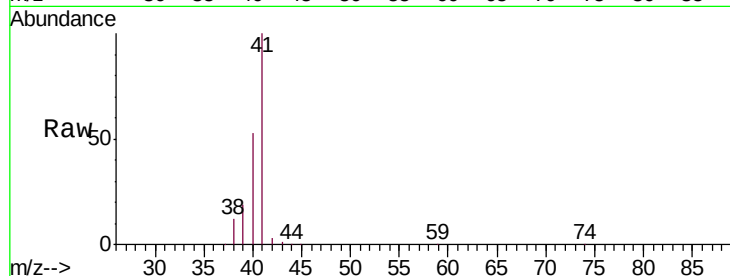
BROWN-FRAC-TANK

Tgt Ion: 43 Resp: 10786

Ion Ratio Lower Upper

43 100

74 28.3 19.7 29.5



#20

Methylene Chloride

Concen: 3445.644 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

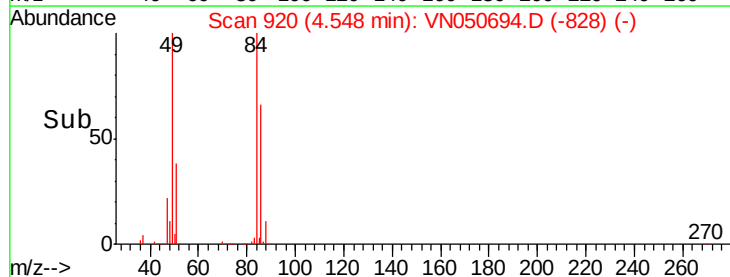
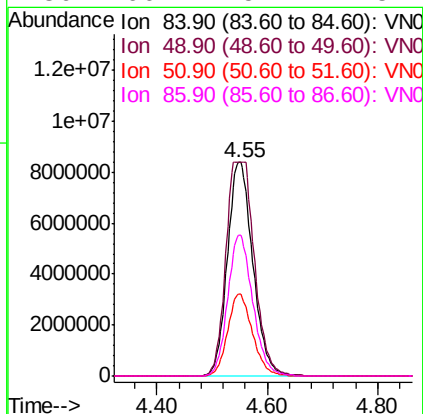
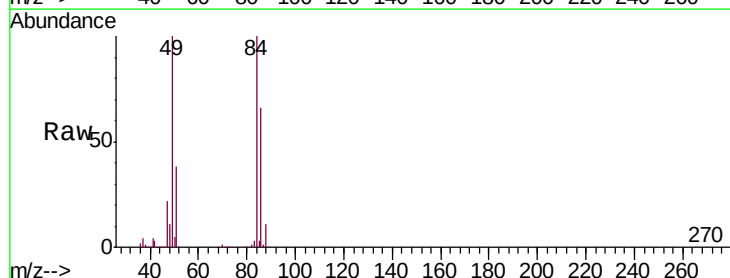
Ion Ratio Lower Upper

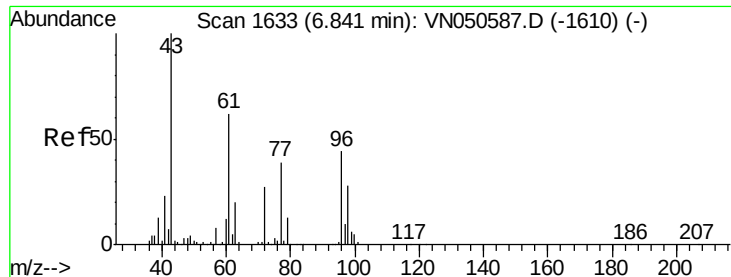
84 100

49 100.0 92.6 138.8

51 38.4 28.6 43.0

86 66.2 52.2 78.2

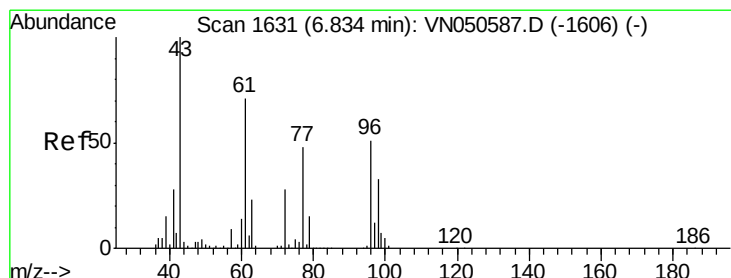
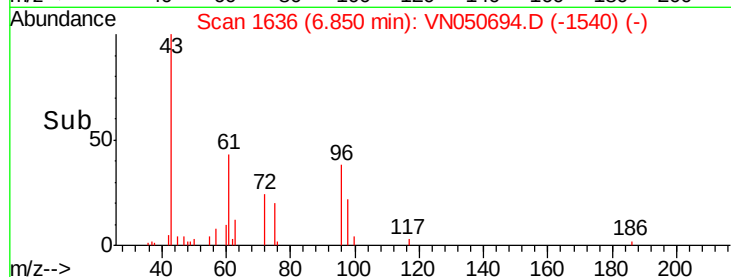
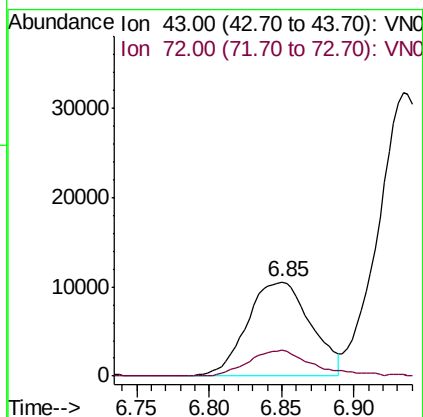
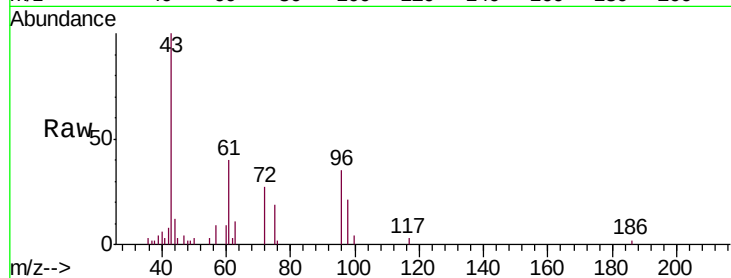




#25
 2-Butanone
 Concen: 9.363 ug/l
 RT: 6.85 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

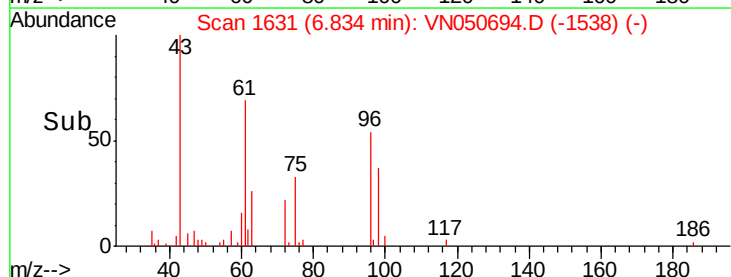
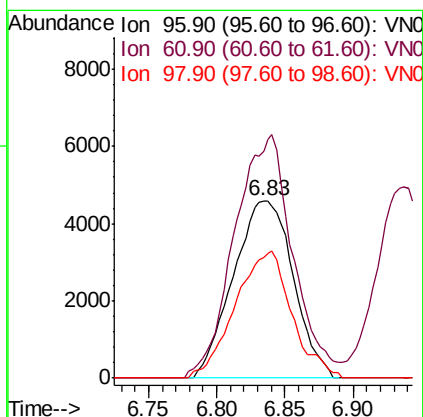
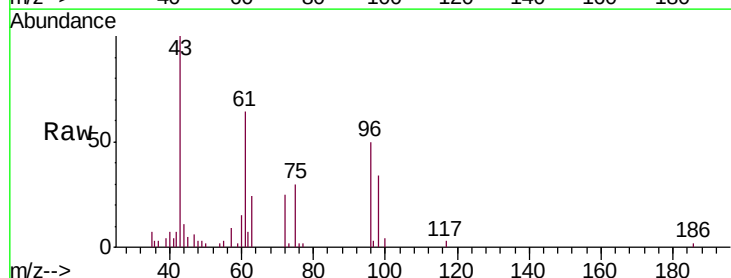
Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

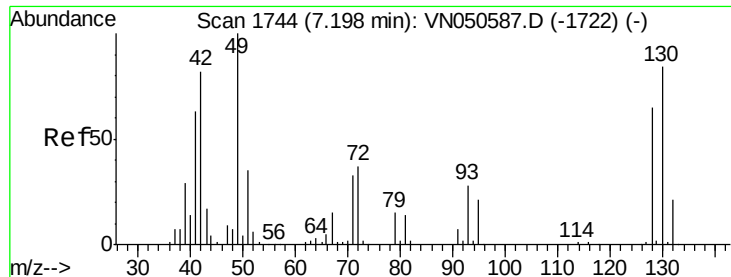
Tgt Ion: 43 Resp: 32232
 Ion Ratio Lower Upper
 43 100
 72 27.1 21.8 32.6



#27
 cis-1,2-Dichloroethene
 Concen: 1.607 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: 8.462 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

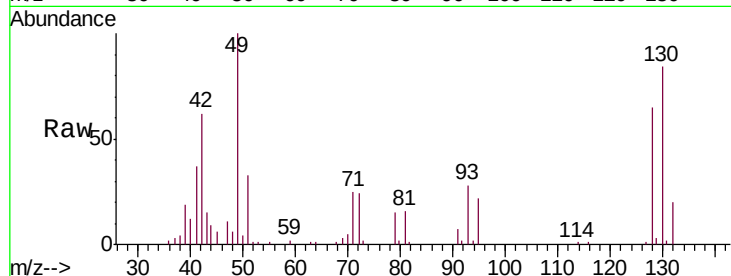
Tgt Ion: 49 Resp: 57437

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.2

130 86.2 66.8 100.2



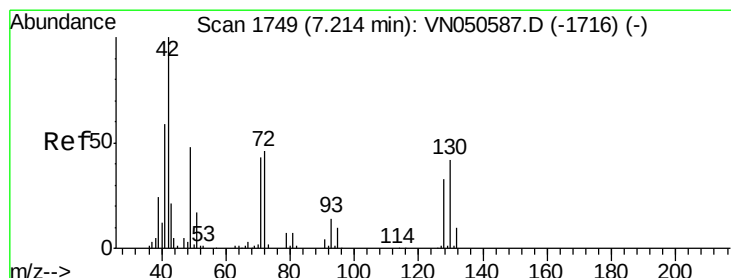
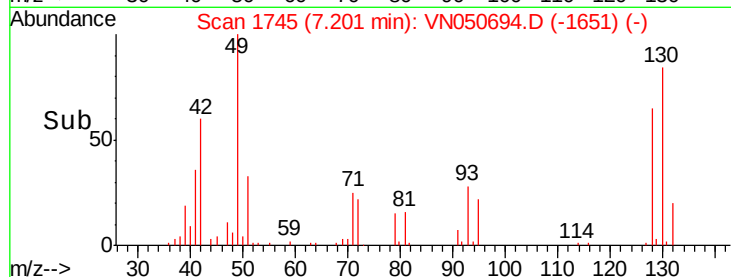
Abundance Ion 48.90 (48.60 to 49.60): VN050587.D (-1722) (-)

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

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

Time-->

7.10 7.15 7.20 7.25 7.30



#29

Tetrahydrofuran

Concen: 31.746 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

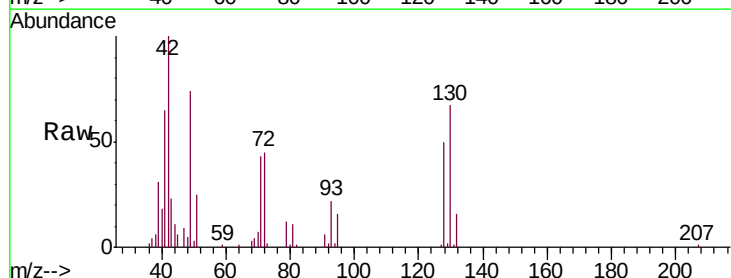
Tgt Ion: 42 Resp: 57062

Ion Ratio Lower Upper

42 100

72 44.1 35.8 53.6

71 41.9 33.4 50.0



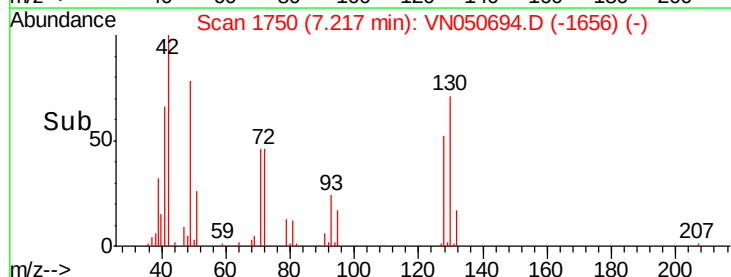
Abundance Ion 42.00 (41.70 to 42.70): VN050587.D (-1716) (-)

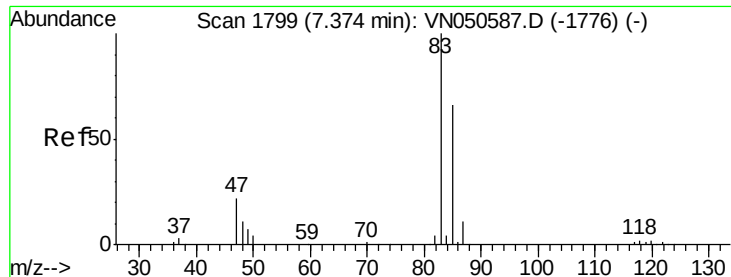
Ion 72.00 (71.70 to 72.70): VN050587.D (-1716) (-)

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

Time-->

7.10 7.20 7.30

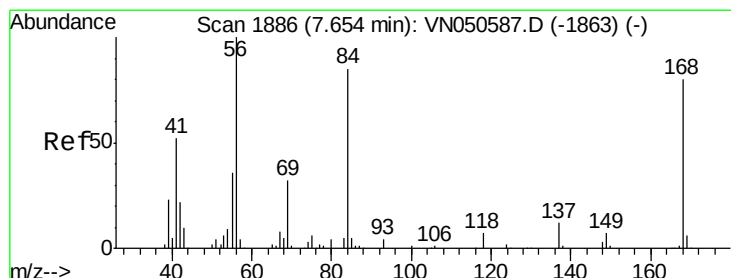
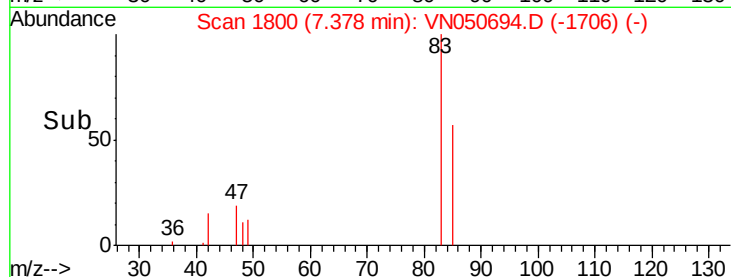
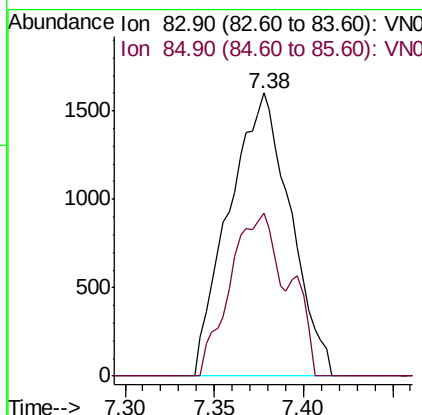
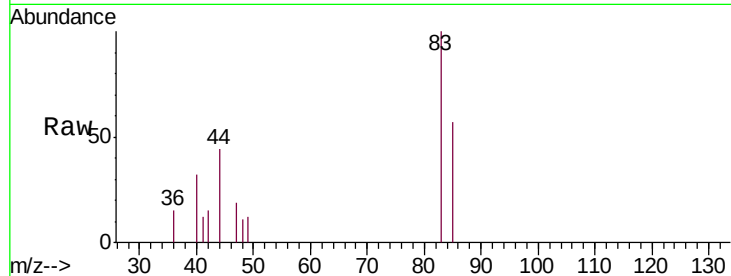




#30
Chloroform
Concen: 0.254 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

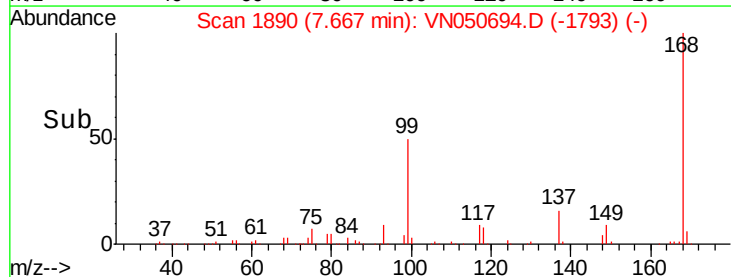
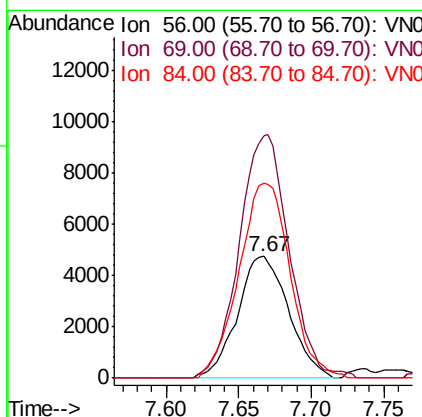
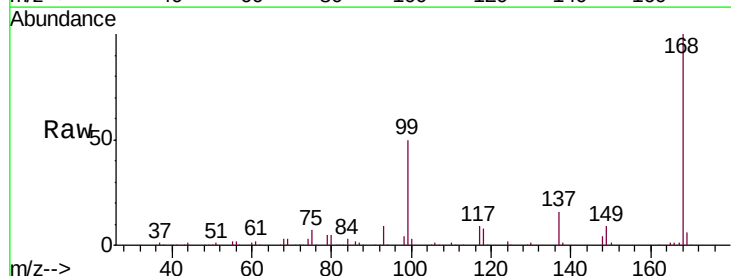
Instrument :
MSVOA_N
ClientSampleId :
BROWN-FRAC-TANK

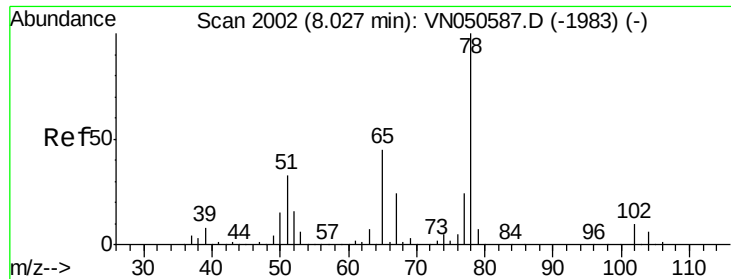
Tgt Ion: 83 Resp: 3838
Ion Ratio Lower Upper
83 100
85 57.5 52.5 78.7



#31
Cyclohexane
Concen: 0.576 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Tgt Ion: 56 Resp: 11678
Ion Ratio Lower Upper
56 100
69 199.2 25.8 38.6#
84 160.3 67.8 101.6#

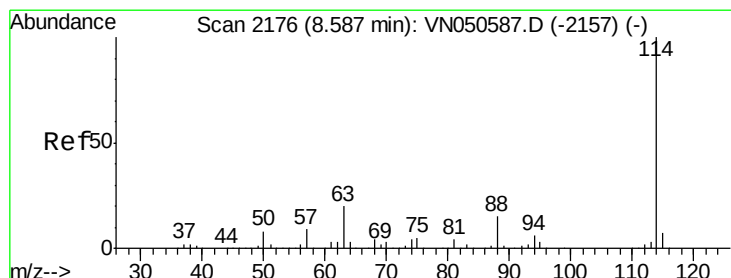
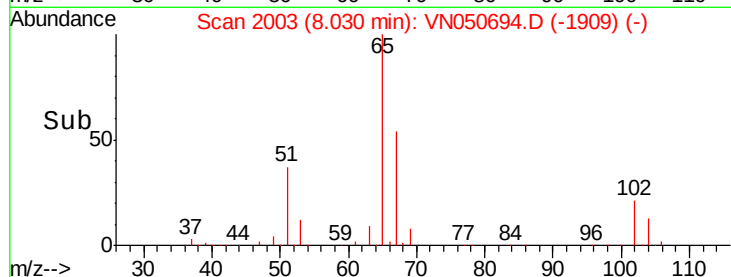
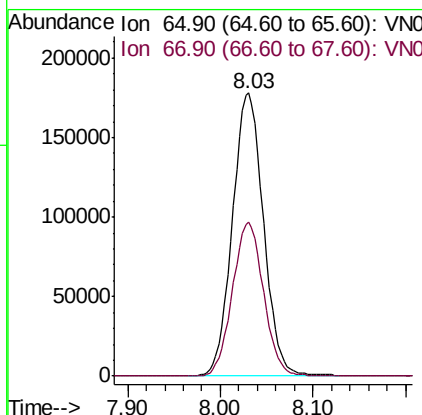
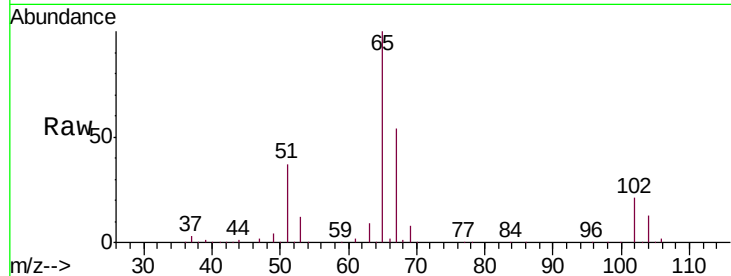




#33
 1,2-Dichloroethane-d4
 Concen: 49.245 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

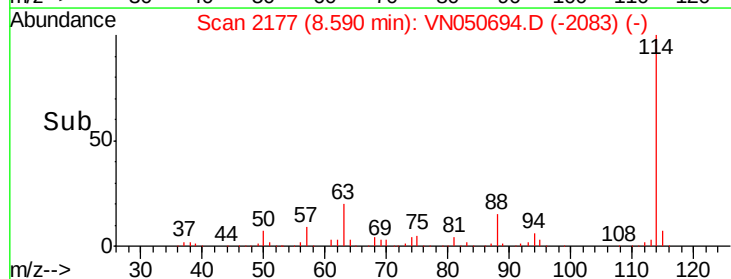
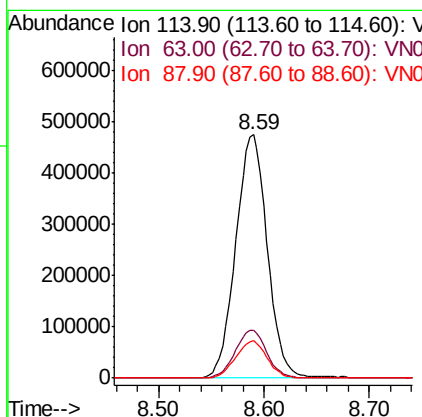
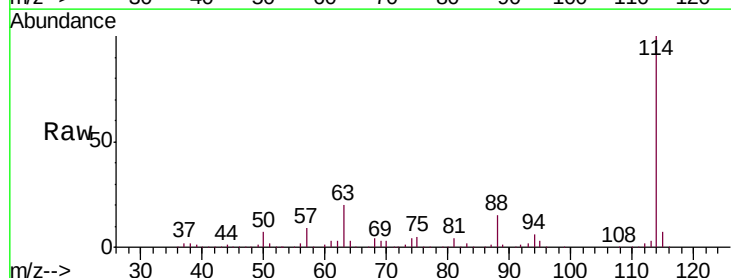
Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

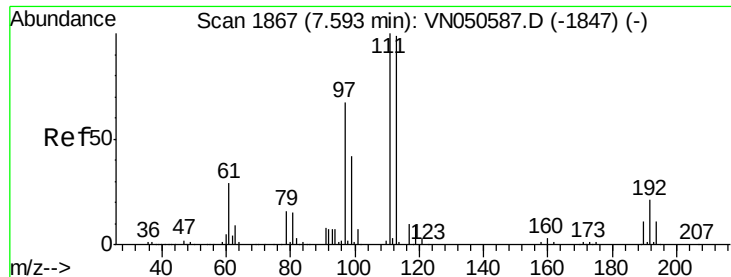
Tgt Ion: 65 Resp: 413462
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 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

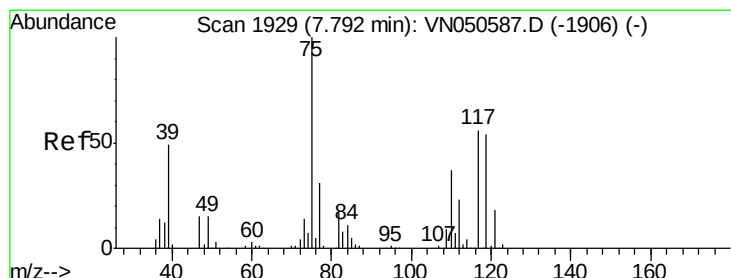
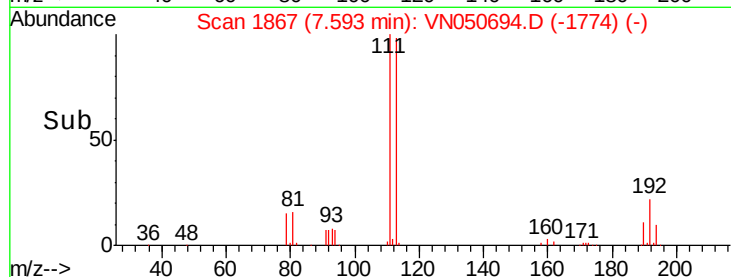
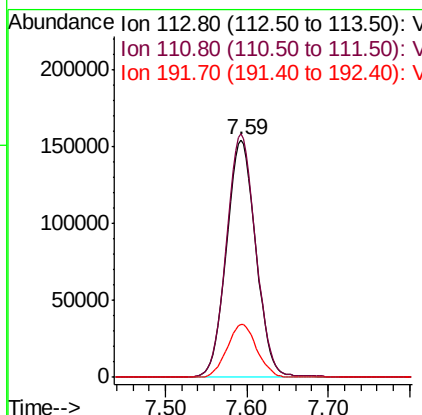
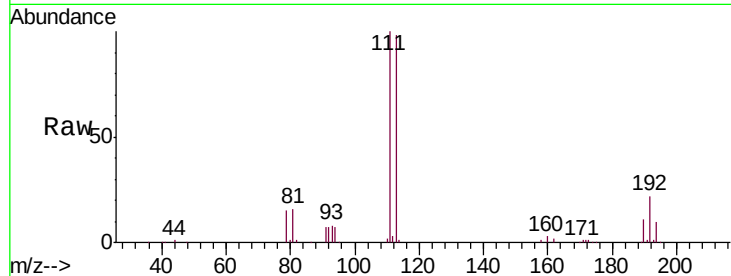




#35
 Dibromofluoromethane
 Concen: 49.689 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

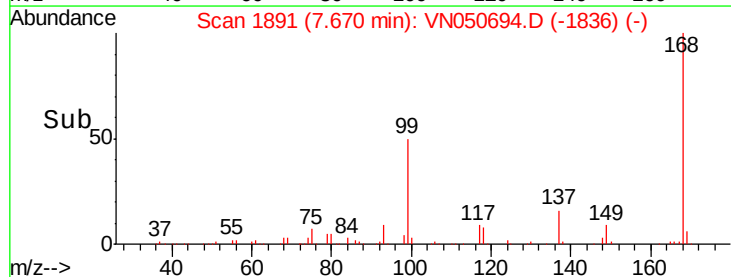
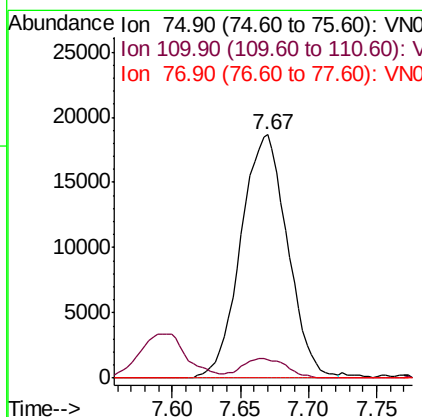
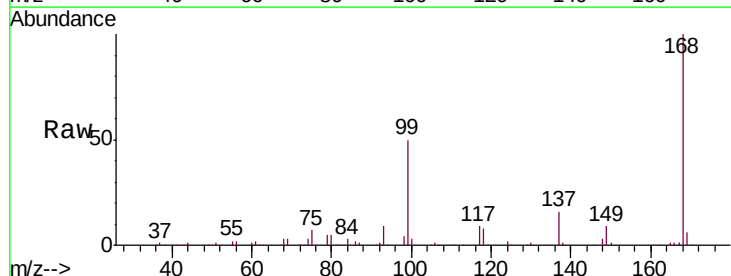
Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

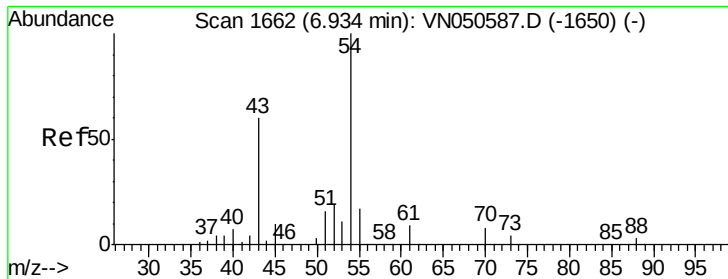
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.5	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 4.042 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.3	54.9#
77	0.0	25.0	37.4#

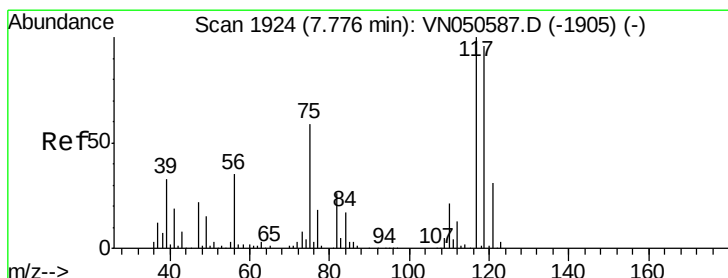
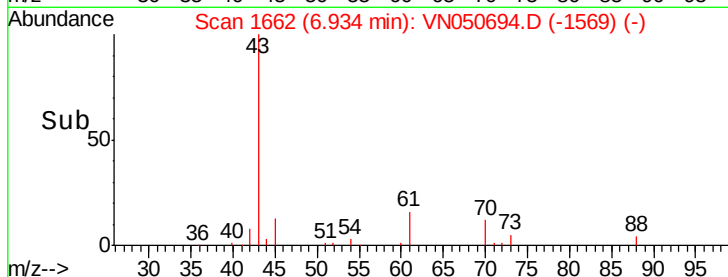
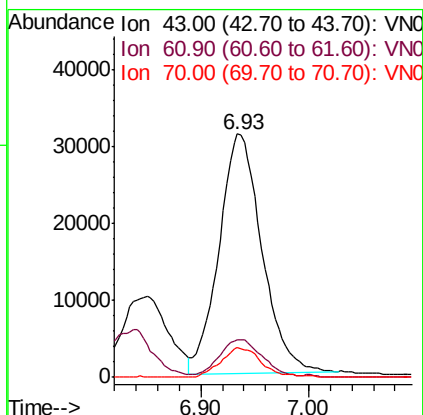
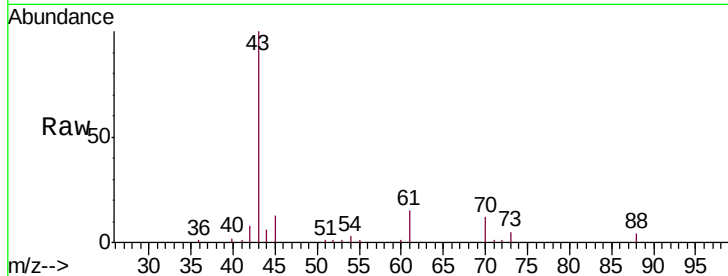




#37
 Ethyl Acetate
 Concen: 13.913 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

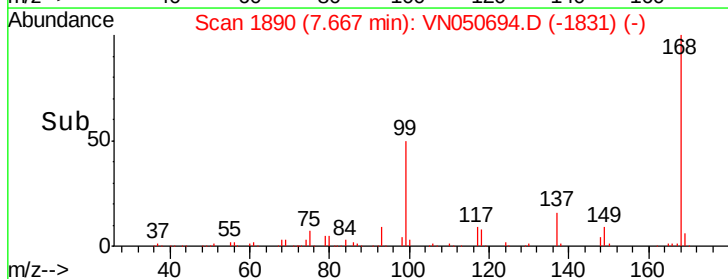
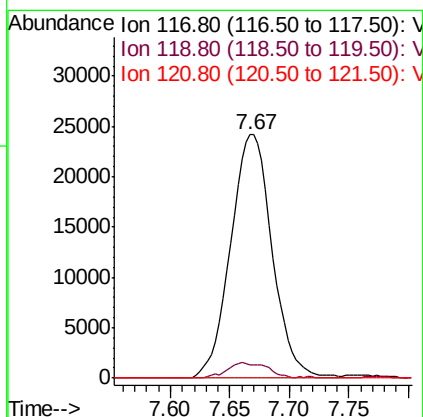
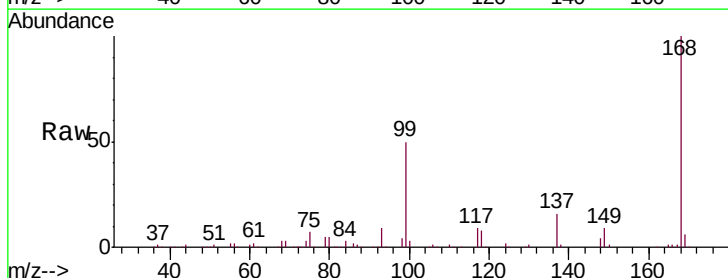
Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

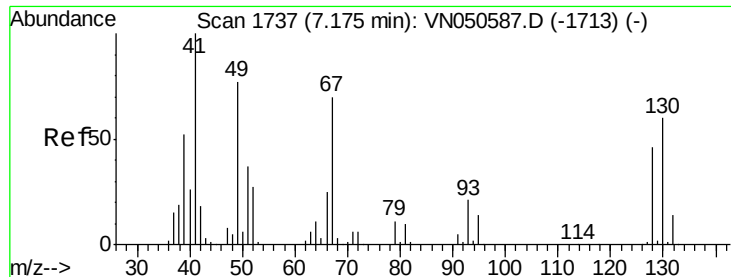
Tgt Ion: 43 Resp: 86267
 Ion Ratio Lower Upper
 43 100
 61 14.6 12.0 18.0
 70 11.8 8.5 12.7



#38
 Carbon Tetrachloride
 Concen: 5.137 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Tgt Ion: 117 Resp: 58455
 Ion Ratio Lower Upper
 117 100
 119 5.5 76.6 115.0#
 121 0.0 25.0 37.6#

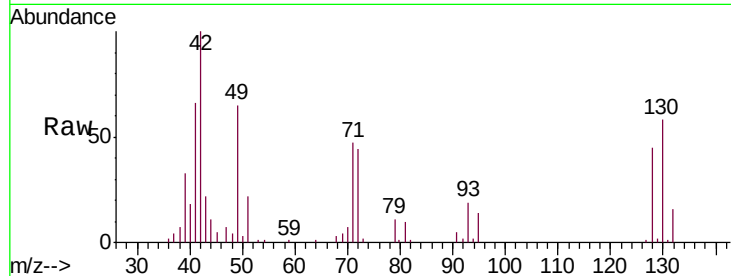




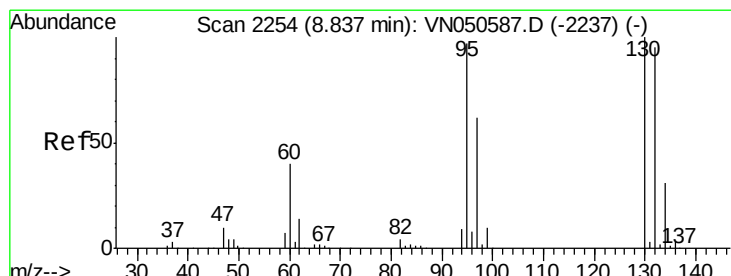
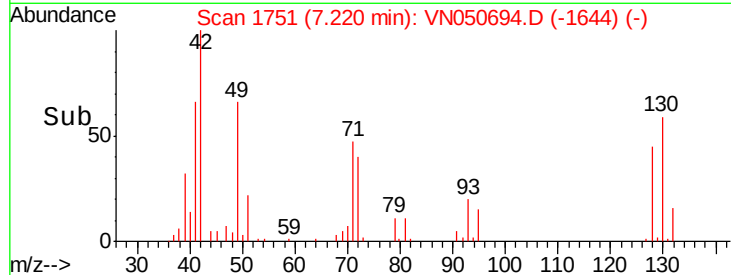
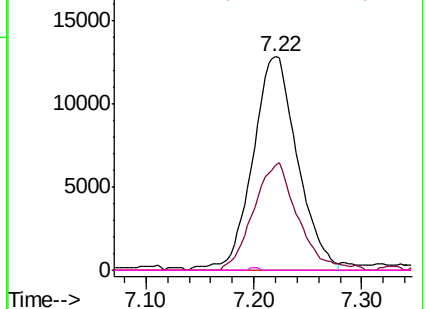
#41
Methacrylonitrile
Concen: 10.990 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.04 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
BROWN-FRAC-TANK

Tgt Ion: 41 Resp: 36841
Ion Ratio Lower Upper
41 100
39 49.3 44.6 66.8
67 0.0 66.7 100.1#
52 0.0 26.5 39.7#

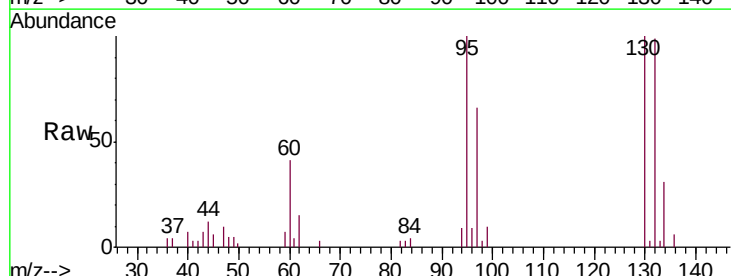


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

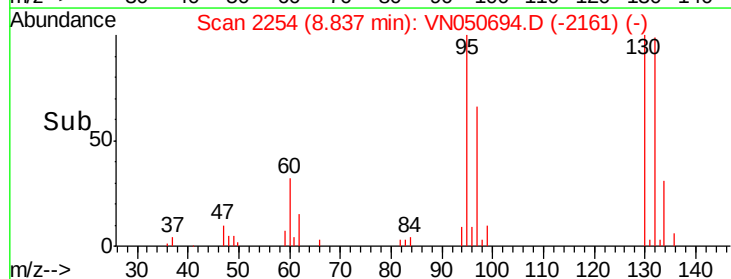
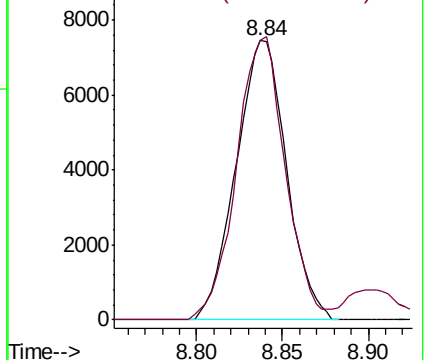


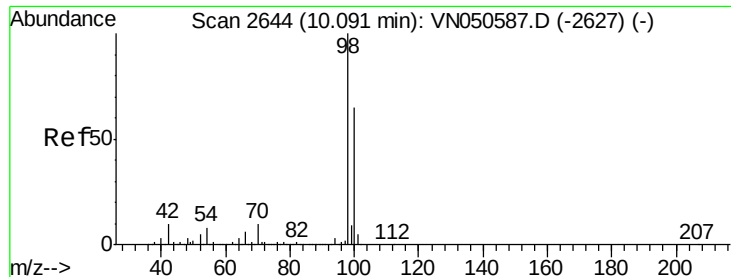
#44
Trichloroethene
Concen: 1.699 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Tgt 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): V
Ion 94.90 (94.60 to 95.60): VN0

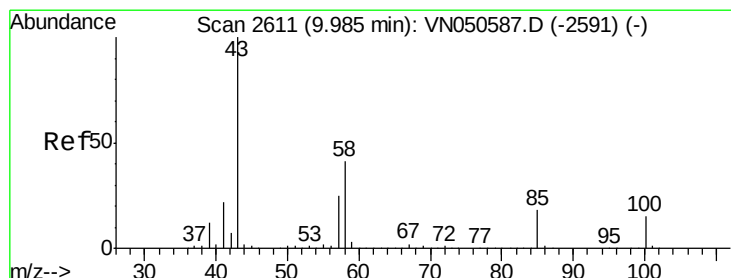
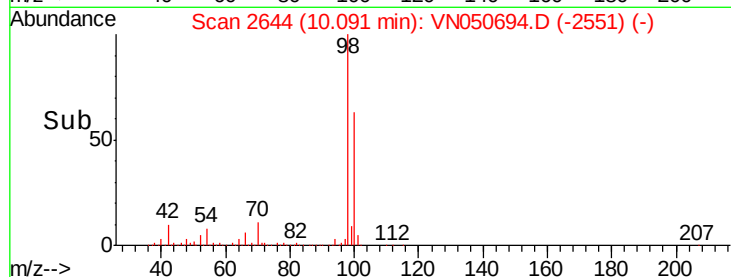
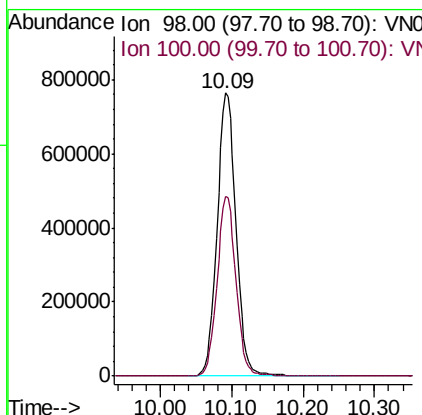
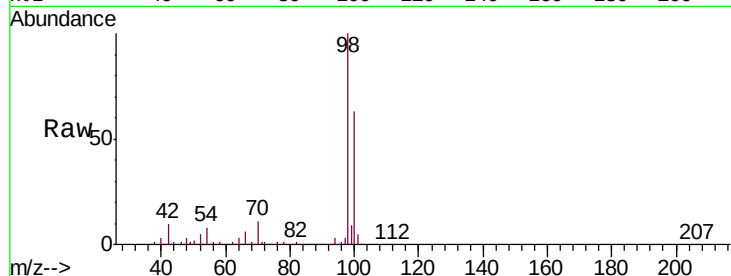




#50
Toluene-d8
Concen: 47.288 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

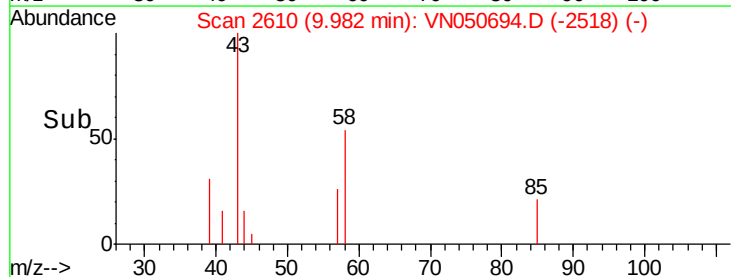
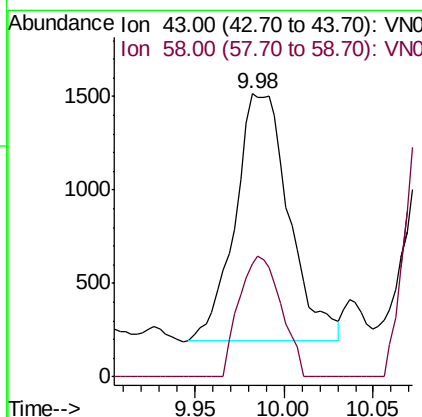
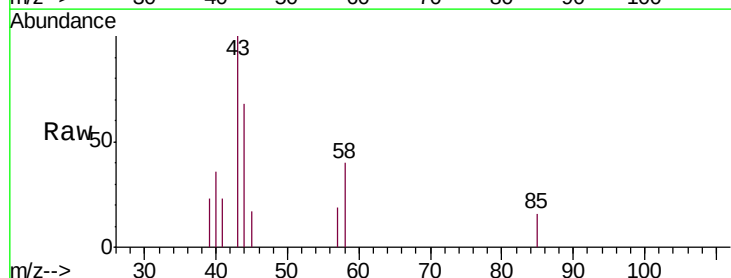
Instrument :
MSVOA_N
ClientSampleId :
BROWN-FRAC-TANK

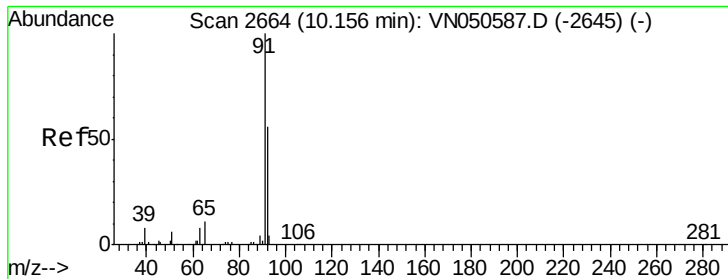
Tgt Ion: 98 Resp: 1400088
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.364 ug/l
RT: 9.98 min Scan# 2610
Delta R.T. -0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Tgt Ion: 43 Resp: 2784
Ion Ratio Lower Upper
43 100
58 38.3 32.5 48.7





#52

Toluene

Concen: 100.569 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 :

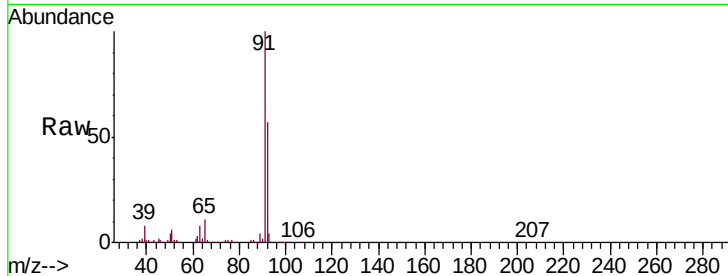
BROWN-FRAC-TANK

Tgt Ion: 92 Resp: 2003766

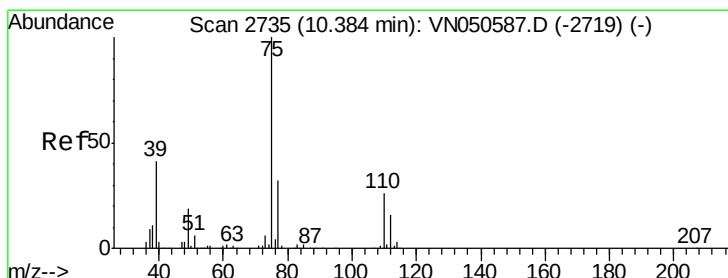
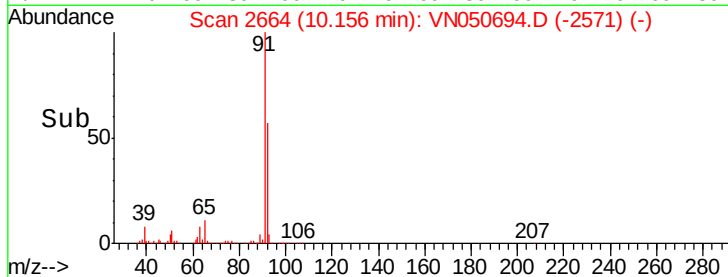
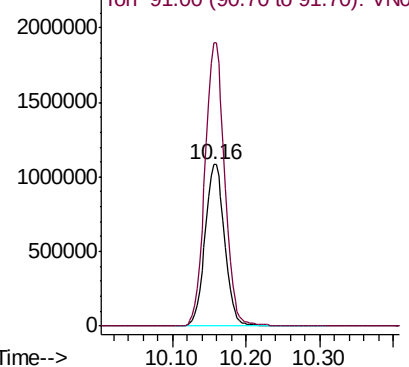
Ion Ratio Lower Upper

92 100

91 175.5 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN050587.D (-2645) (-)



#53

t-1,3-Dichloropropene

Concen: 2.091 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.23 min

Lab File: VN050694.D

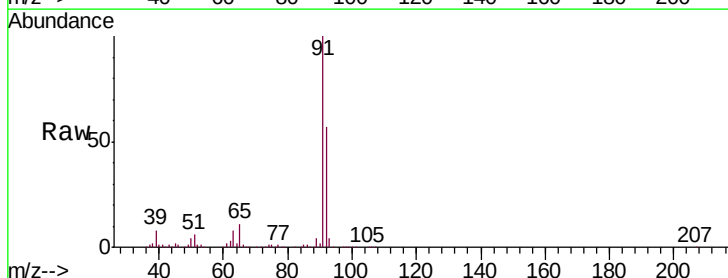
Acq: 16 Aug 2018 11:30

Tgt Ion: 75 Resp: 21834

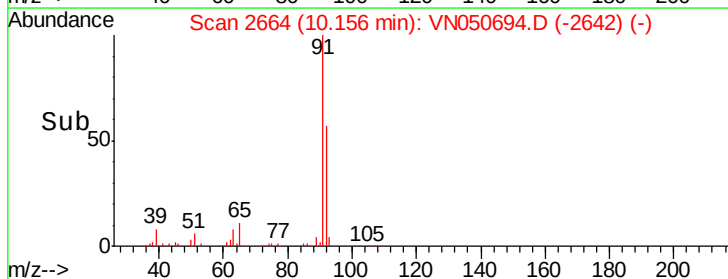
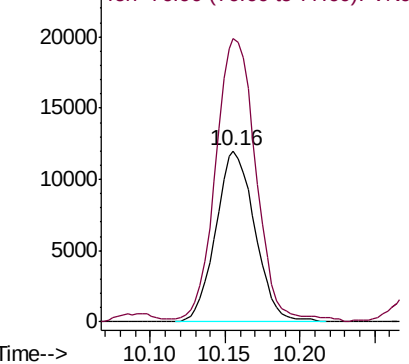
Ion Ratio Lower Upper

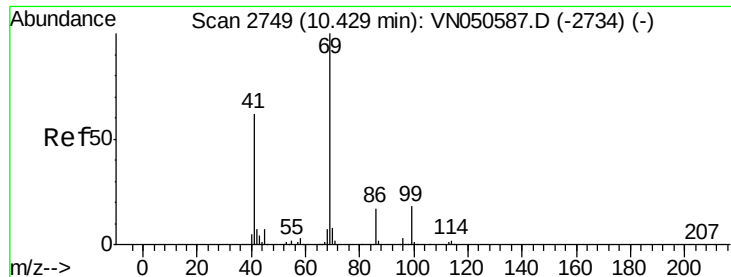
75 100

77 163.3 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VN050587.D (-2719) (-)





#56

Ethyl methacrylate

Concen: 1.914 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

BROWN-FRAC-TANK

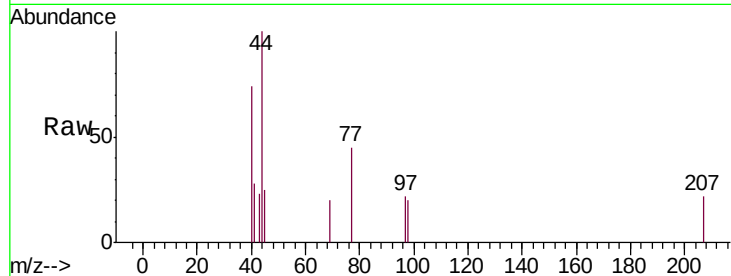
Tgt Ion: 69 Resp: 95

Ion Ratio Lower Upper

69 100

41 0.0 49.7 74.5#

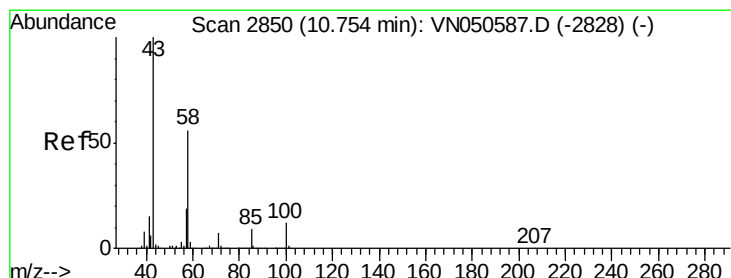
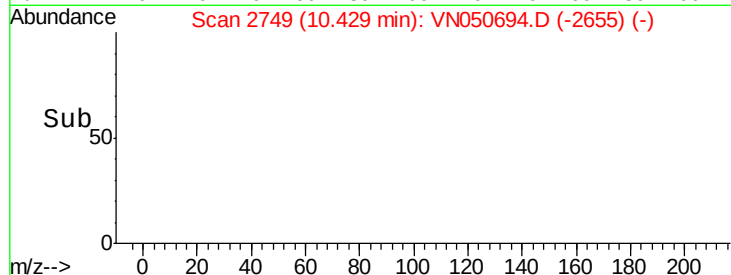
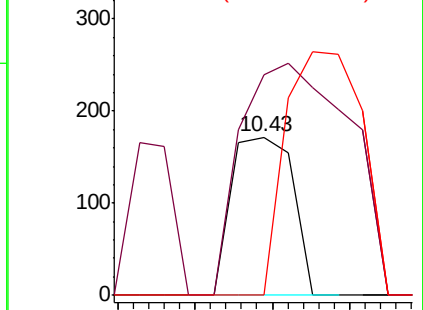
39 0.0 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 0.388 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN050694.D

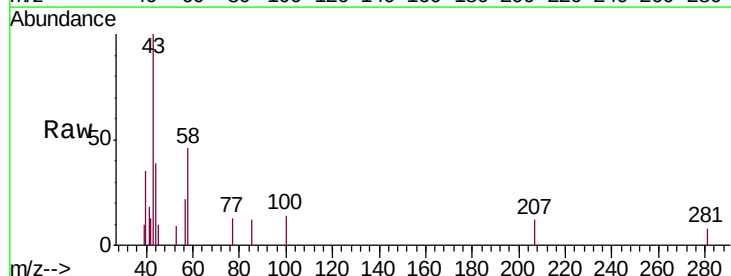
Acq: 16 Aug 2018 11:30

Tgt Ion: 43 Resp: 1915

Ion Ratio Lower Upper

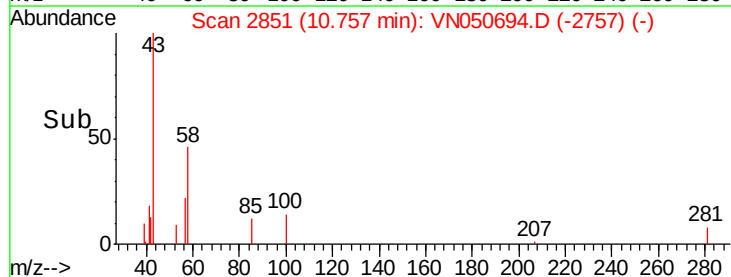
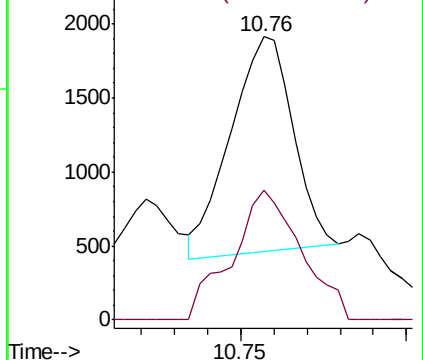
43 100

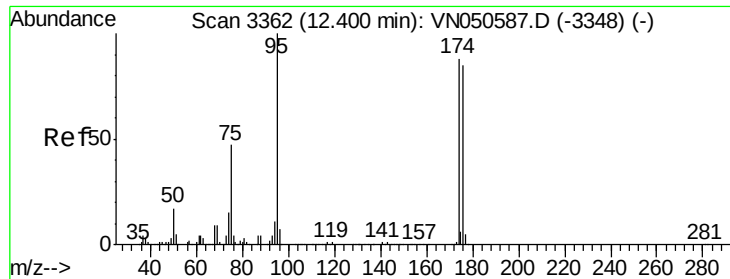
58 66.1 28.0 84.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 38.112 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

BROWN-FRAC-TANK

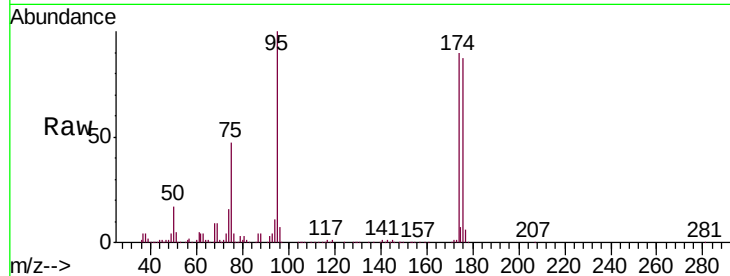
Tgt Ion: 95 Resp: 372786

Ion Ratio Lower Upper

95 100

174 90.8 0.0 177.8

176 87.1 0.0 175.0

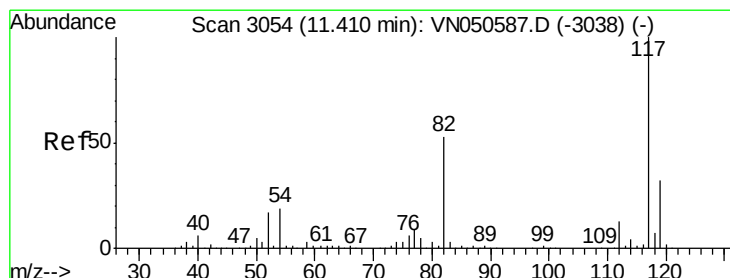
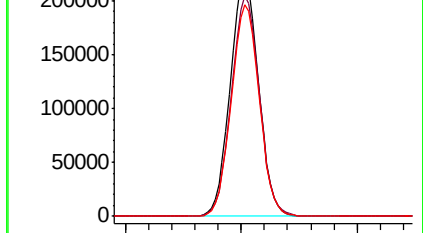
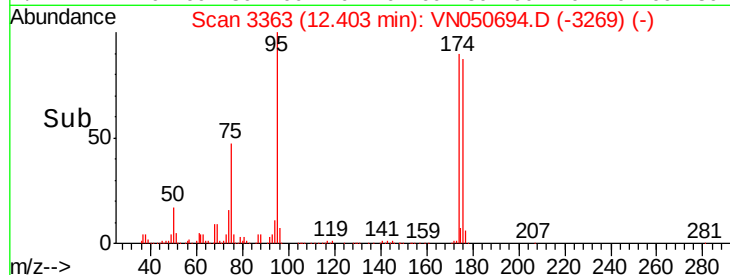


Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

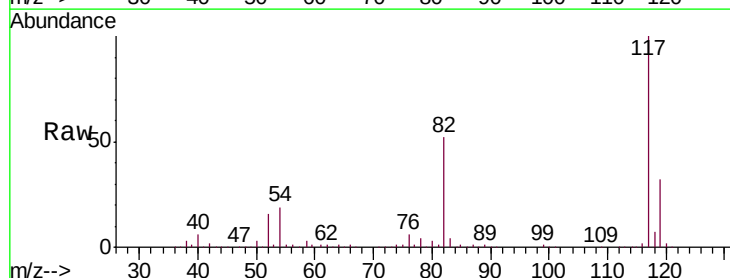
Tgt Ion: 117 Resp: 859087

Ion Ratio Lower Upper

117 100

82 52.3 42.4 63.6

119 31.8 25.8 38.8

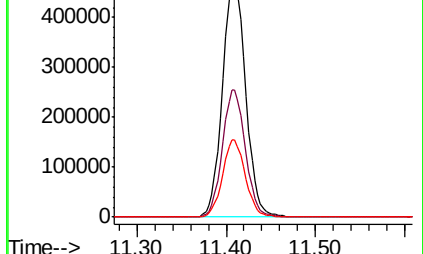
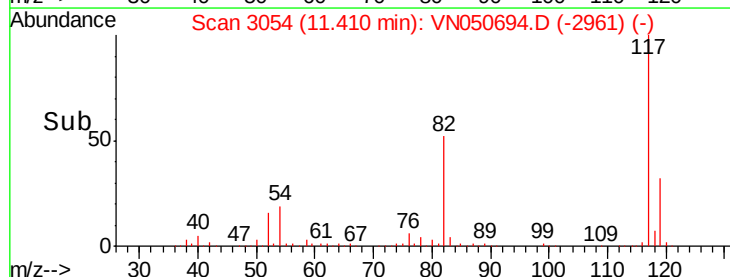


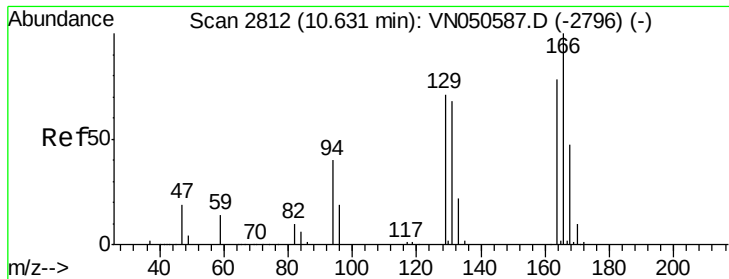
Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050587.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050587.D (-3038) (-)

Time-->

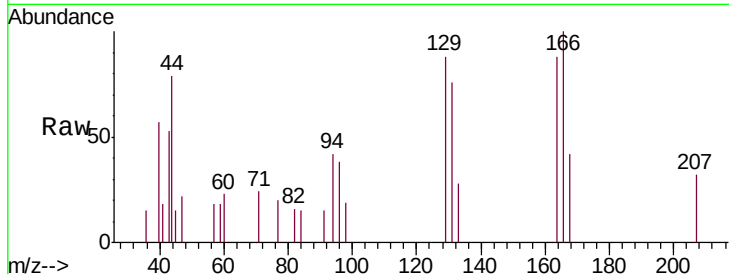




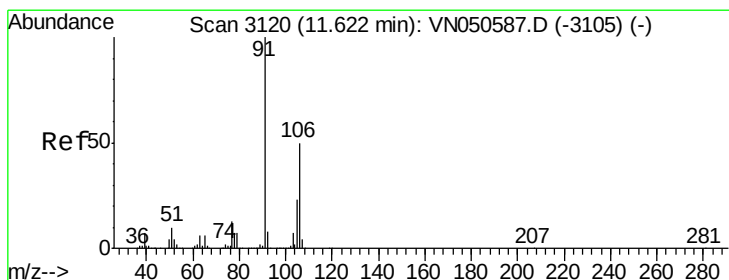
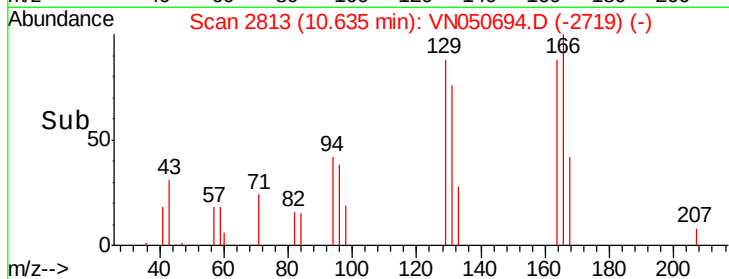
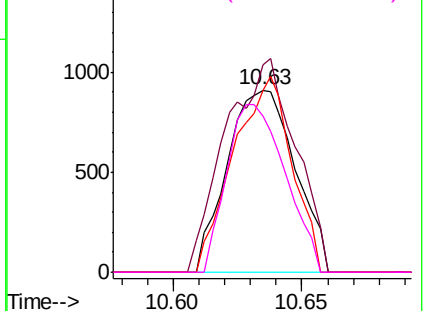
#64
Tetrachloroethene
Concen: 0.210 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
BROWN-FRAC-TANK

Tgt Ion:164 Resp: 1679
Ion Ratio Lower Upper
164 100
166 113.4 102.1 153.1
129 99.8 72.7 109.1
131 85.9 69.9 104.9

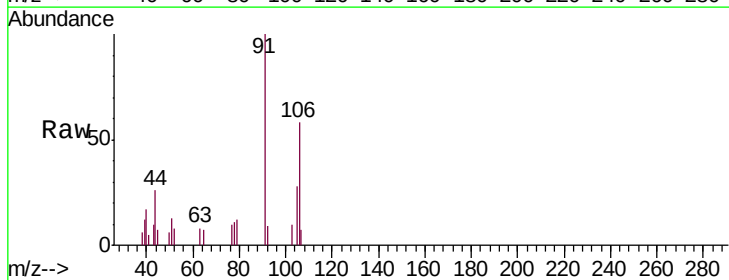


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

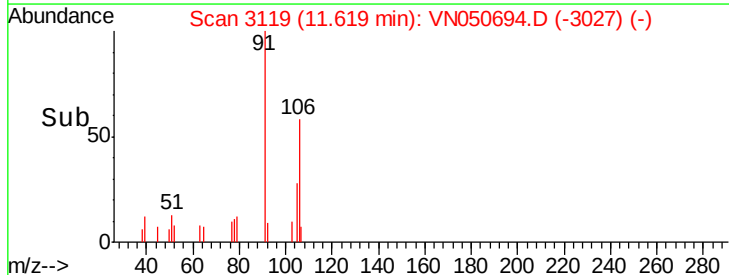
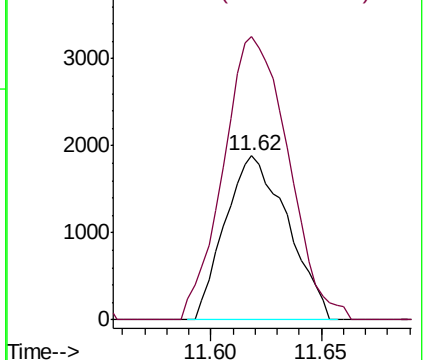


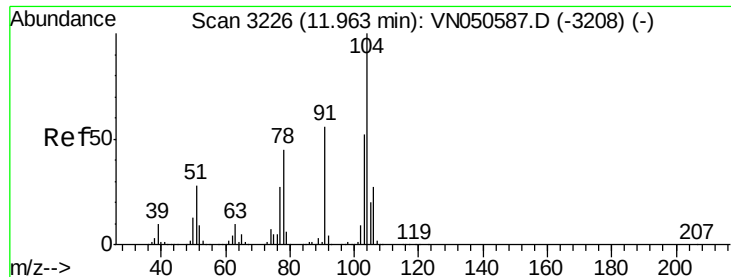
#68
m/p-Xylenes
Concen: 0.281 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050694.D
Acq: 16 Aug 2018 11:30

Tgt Ion:106 Resp: 3711
Ion Ratio Lower Upper
106 100
91 179.1 161.5 242.3



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





#70

Styrene

Concen: 1.000 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

BROWN-FRAC-TANK

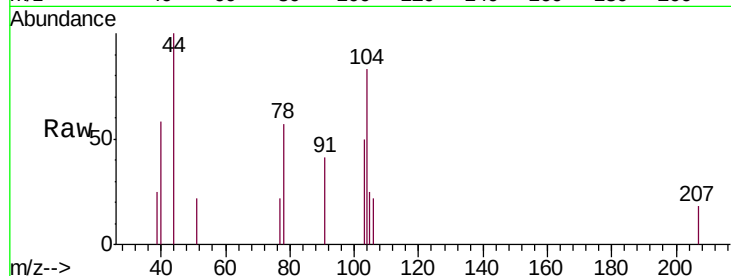
Tgt Ion:104 Resp: 1351

Ion Ratio Lower Upper

104 100

78 61.0 39.1 58.7#

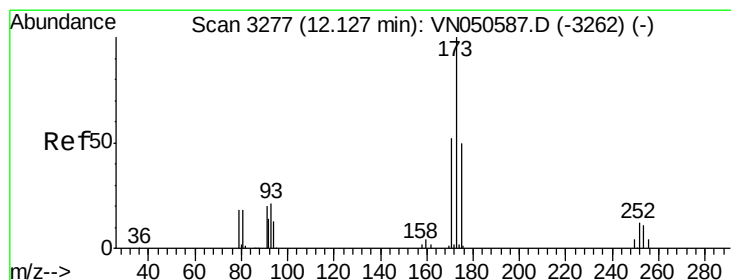
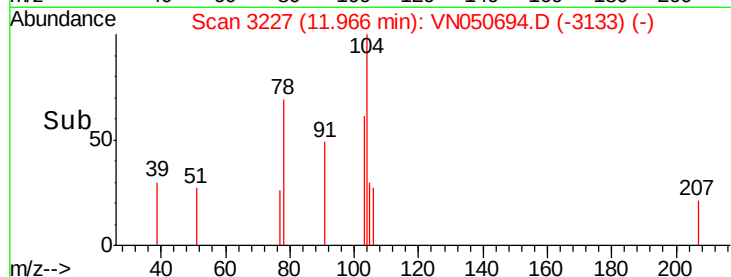
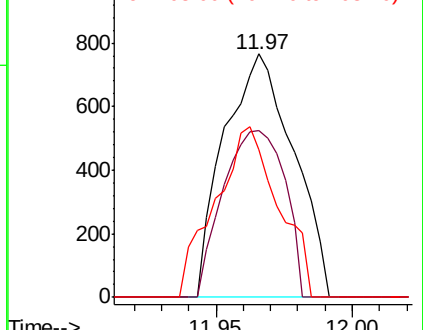
103 64.0 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.578 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

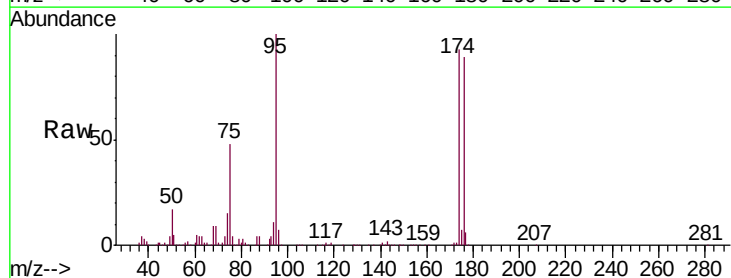
Tgt Ion:173 Resp: 3073

Ion Ratio Lower Upper

173 100

175 668.0 24.4 73.2#

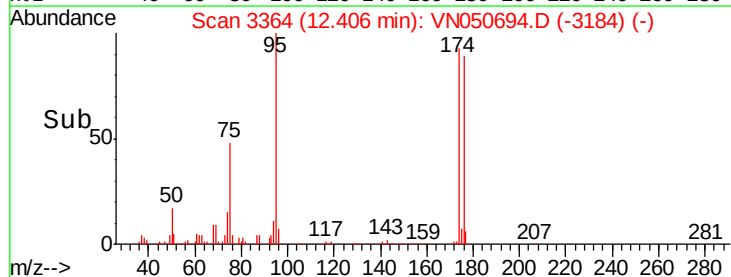
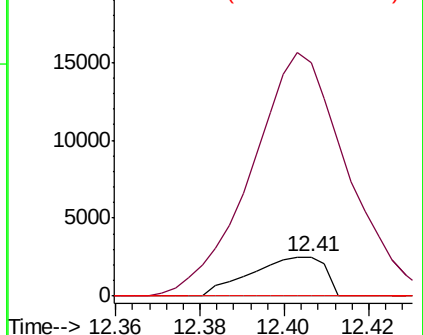
254 0.0 0.0 0.0

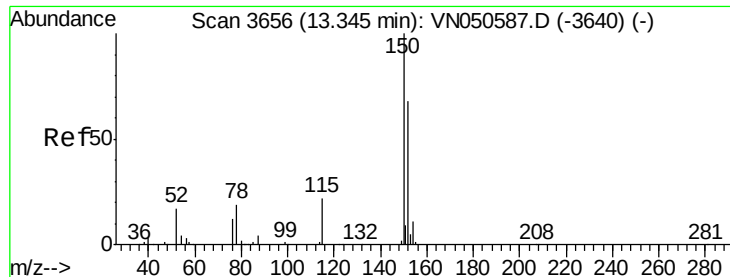


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

BROWN-FRAC-TANK

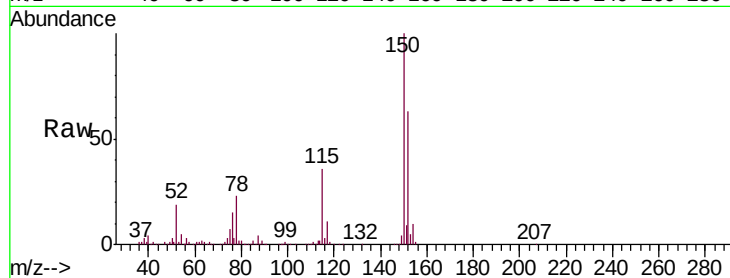
Tgt Ion:152 Resp: 291576

Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

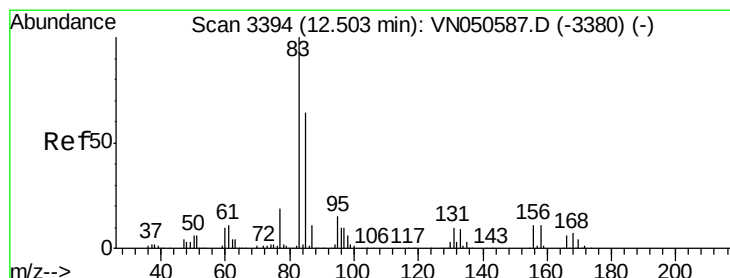
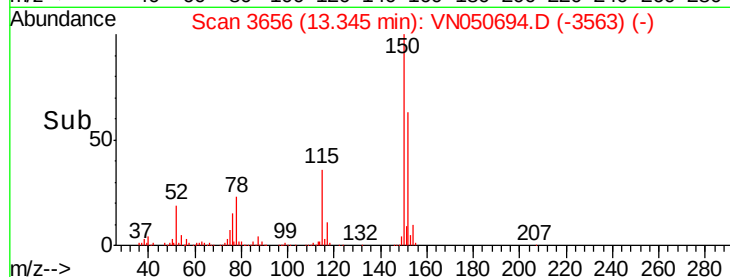
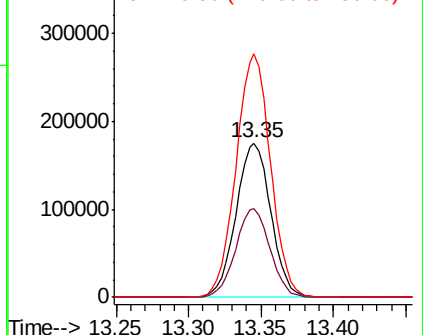
150 156.5 0.0 347.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

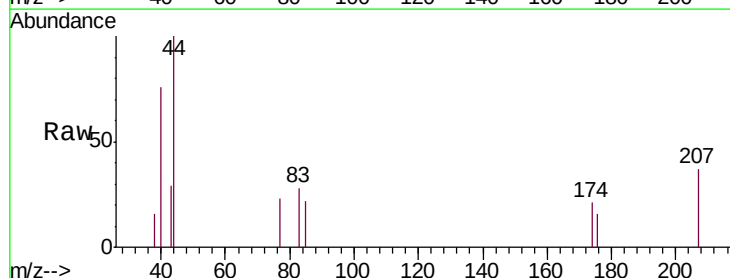
Tgt Ion: 83 Resp: 410

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

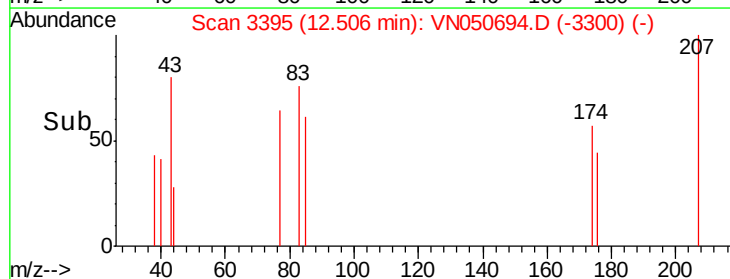
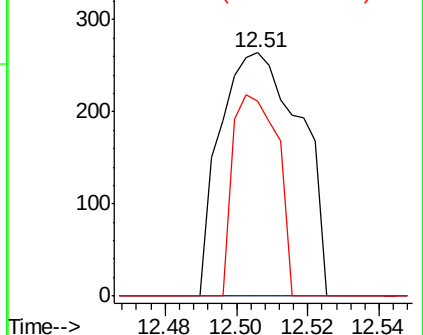
85 46.1 32.1 96.5

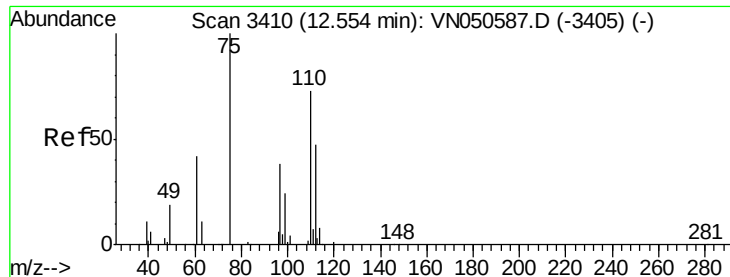


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.537 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

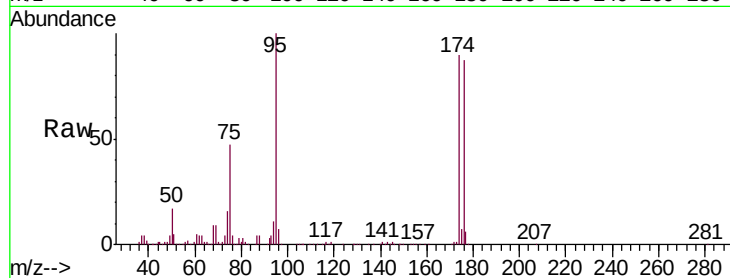
BROWN-FRAC-TANK

Tgt Ion: 75 Resp: 178037

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

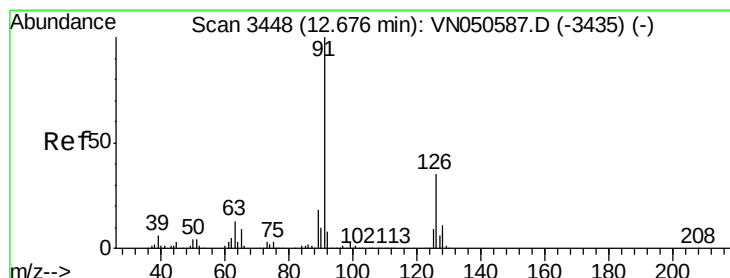
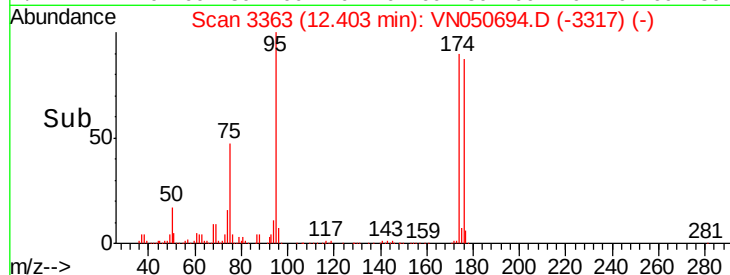
40000

20000

0

12.35 12.40 12.45

Time-->



#79

2-Chlorotoluene

Concen: 0.232 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050694.D

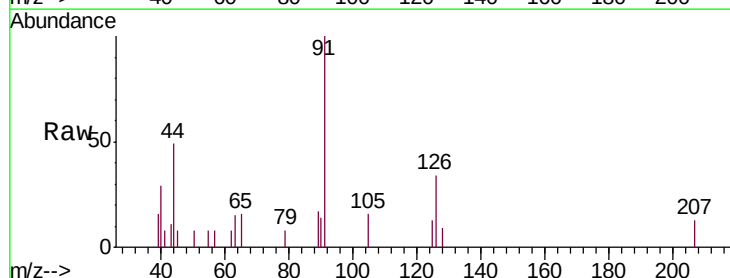
Acq: 16 Aug 2018 11:30

Tgt Ion: 91 Resp: 3682

Ion Ratio Lower Upper

91 100

126 31.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

2000

1500

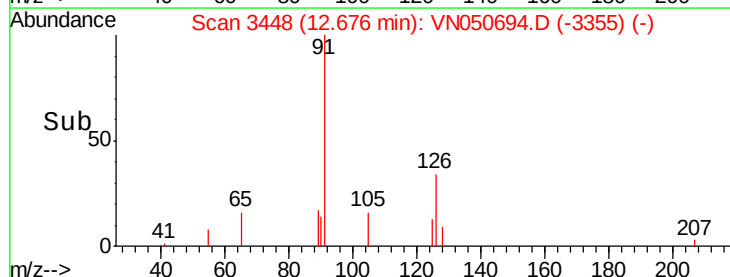
1000

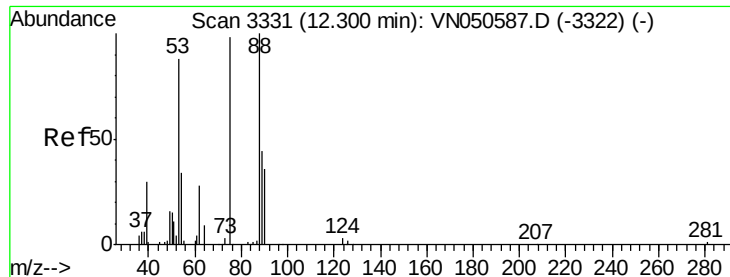
500

0

12.65 12.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 135.750 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

BROWN-FRAC-TANK

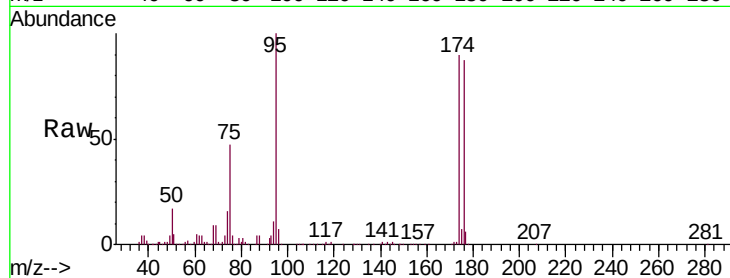
Tgt Ion: 75 Resp: 178037

Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

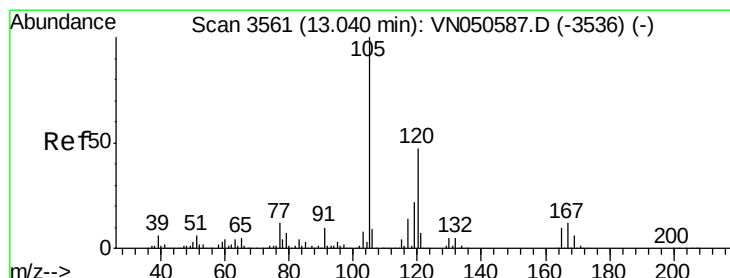
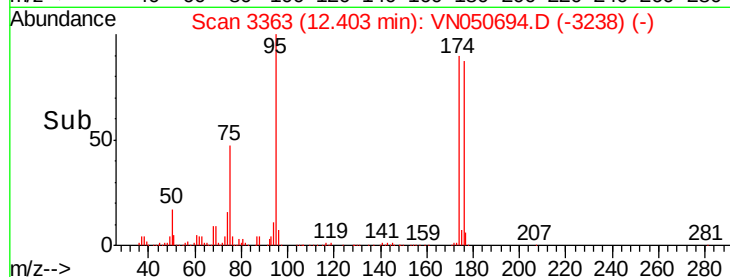
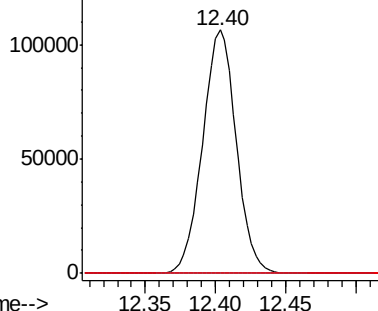
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN050694.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN050694.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN050694.D (-3363) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.224 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050694.D

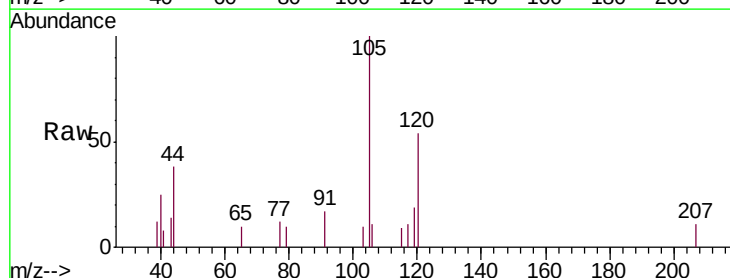
Acq: 16 Aug 2018 11:30

Tgt Ion: 105 Resp: 4102

Ion Ratio Lower Upper

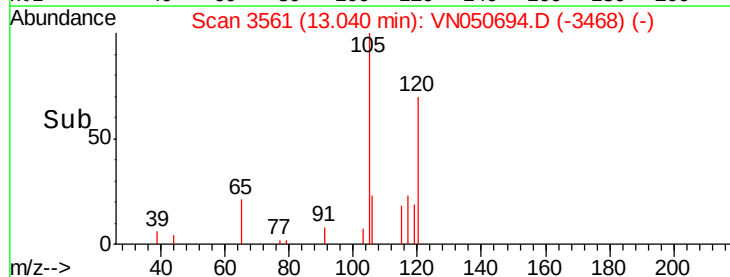
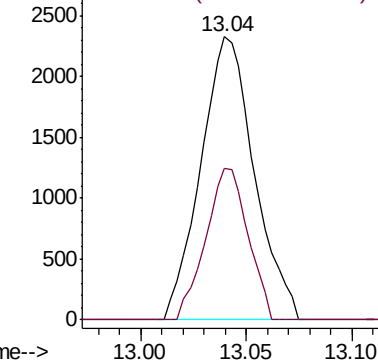
105 100

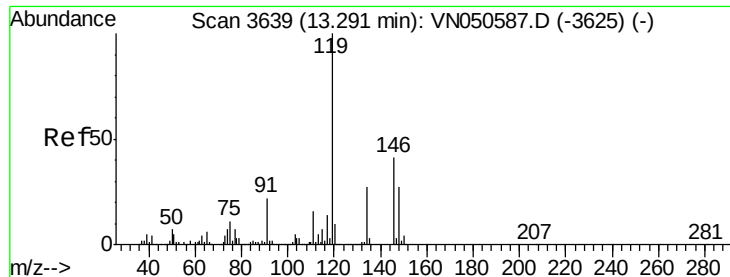
120 42.2 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): VN050694.D (-3561) (-)

Ion 120.00 (119.70 to 120.70): VN050694.D (-3561) (-)

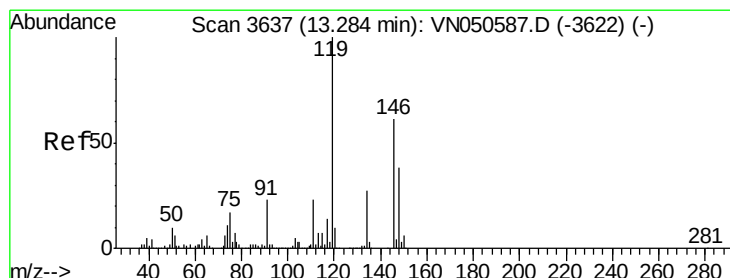
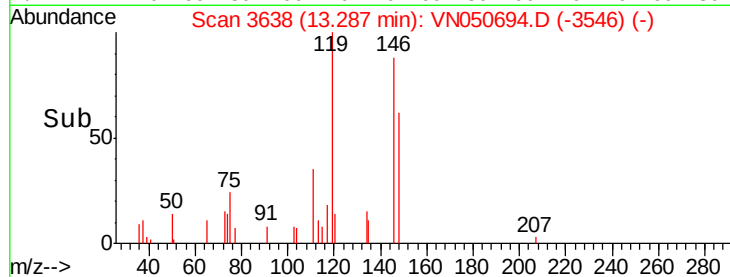
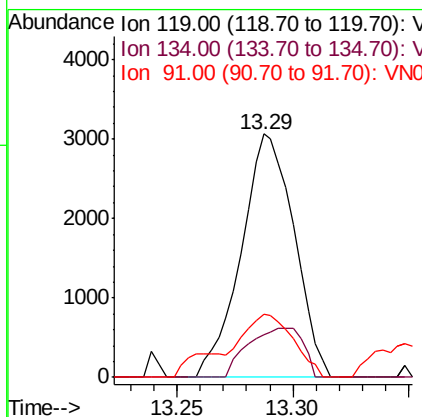
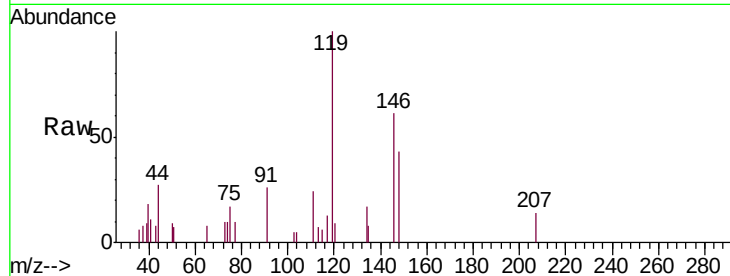




#86
 p-Isopropyltoluene
 Concen: 0.277 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

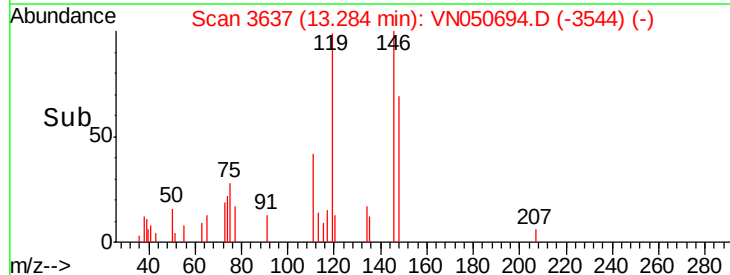
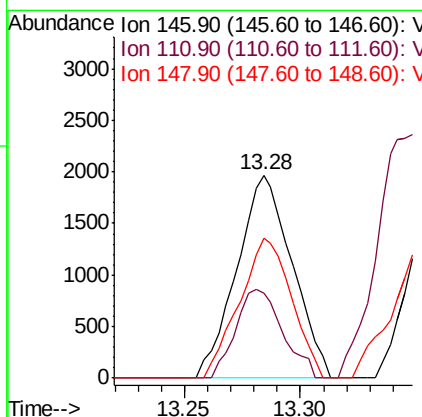
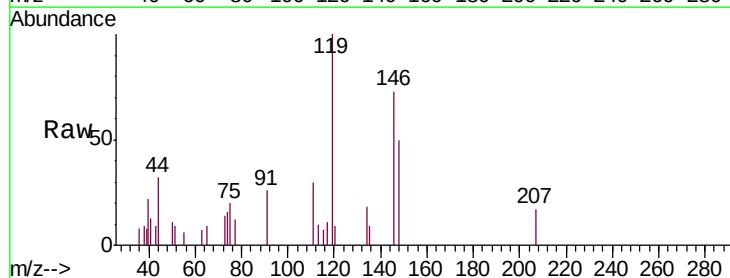
Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

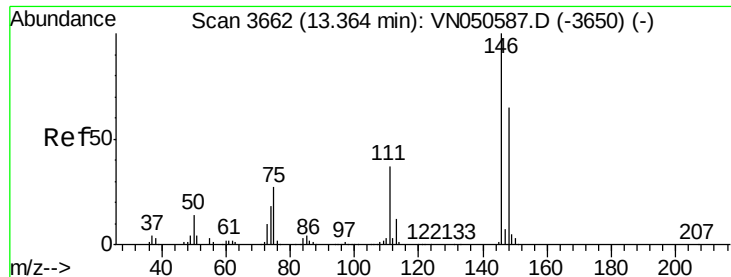
Tgt Ion:119 Resp: 4863
 Ion Ratio Lower Upper
 119 100
 134 20.8 13.5 40.4
 91 24.8 11.2 33.6



#87
 1,3-Dichlorobenzene
 Concen: 0.309 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Tgt Ion:146 Resp: 3250
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.2 57.6
 148 64.9 31.9 95.7

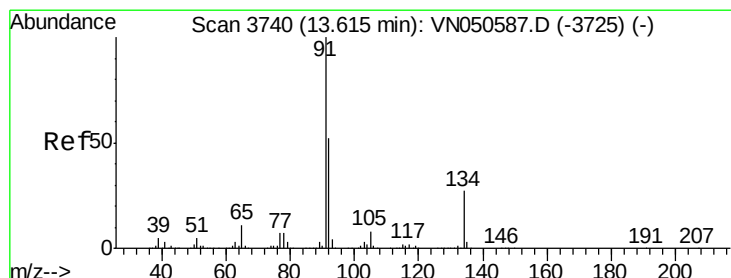
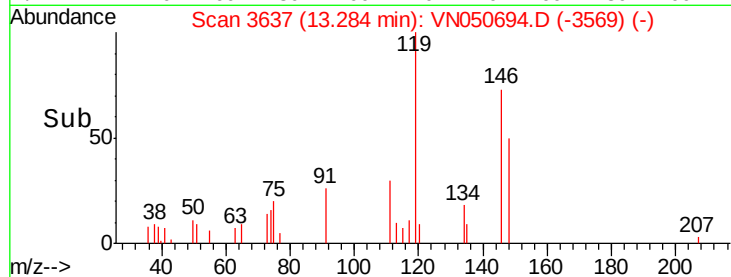
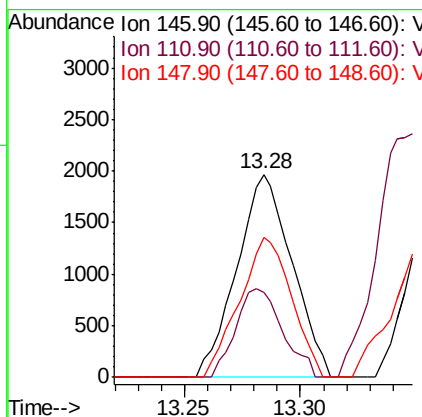
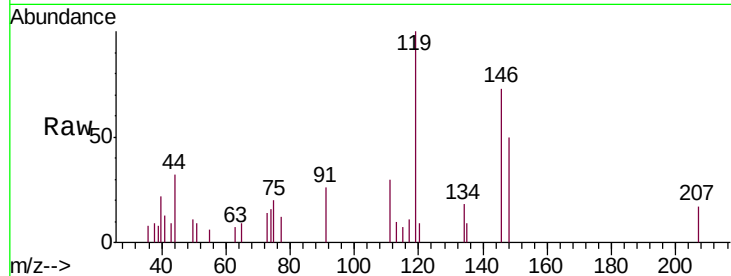




#88
 1,4-Dichlorobenzene
 Concen: 0.311 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.08 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

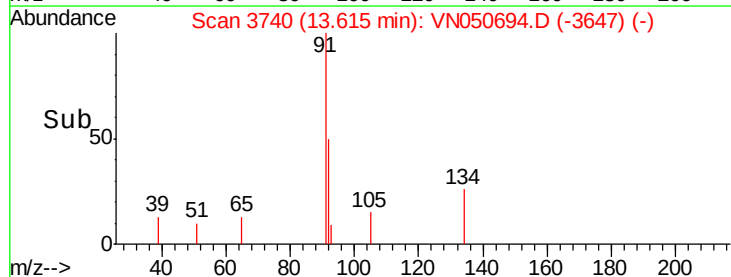
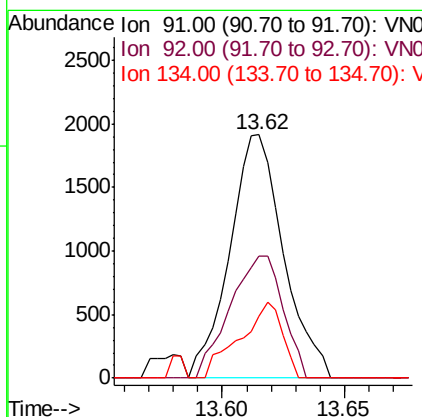
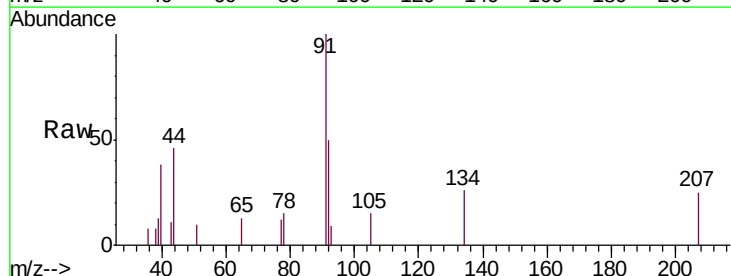
Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

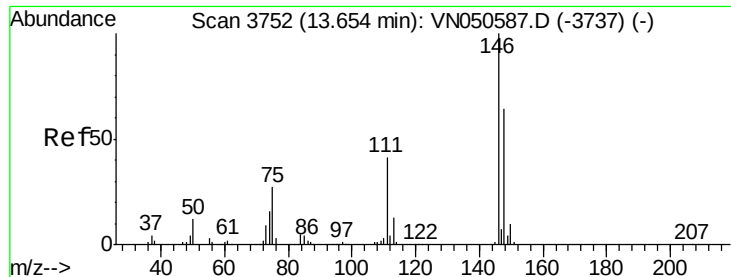
Tgt Ion: 146 Resp: 3250
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 64.9 32.3 96.8



#89
 n-Butylbenzene
 Concen: 0.206 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Tgt Ion: 91 Resp: 2923
 Ion Ratio Lower Upper
 91 100
 92 49.4 26.3 78.8
 134 24.6 13.3 39.9

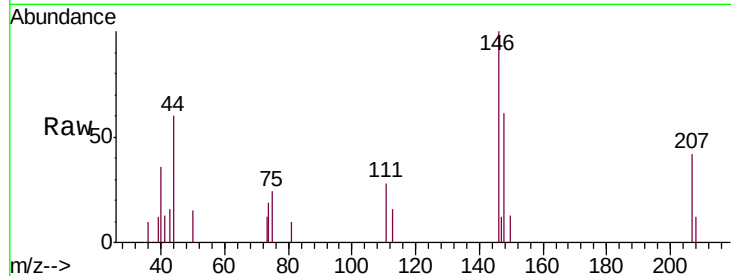




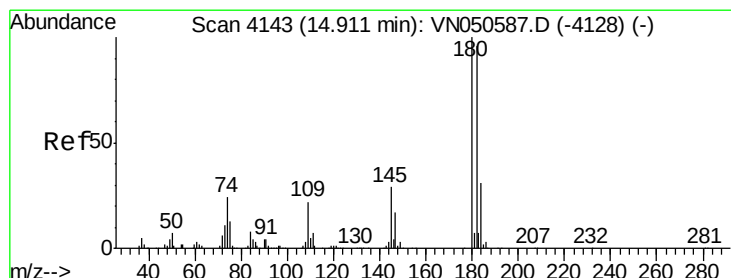
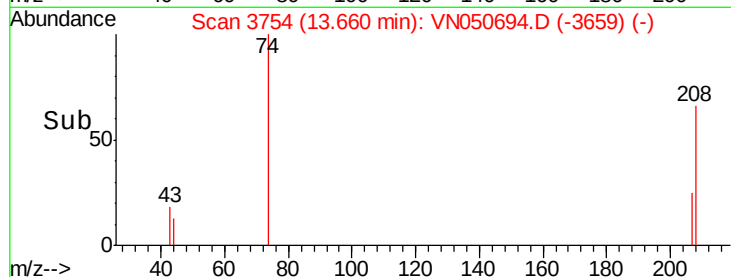
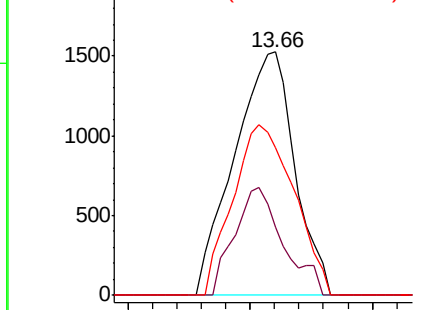
#91
 1,2-Dichlorobenzene
 Concen: 0.255 ug/l
 RT: 13.66 min Scan# 3754
 Delta R.T. 0.01 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

Tgt Ion:146 Resp: 2620
 Ion Ratio Lower Upper
 146 100
 111 35.7 19.8 59.4
 148 71.2 32.3 96.8

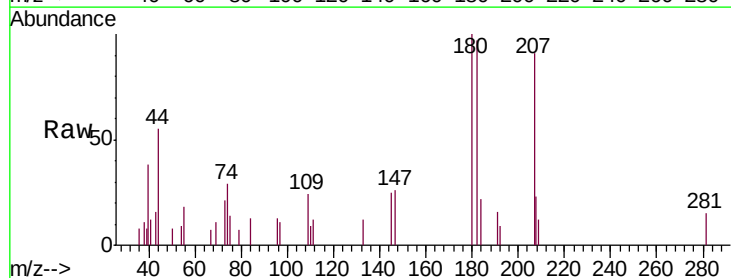


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

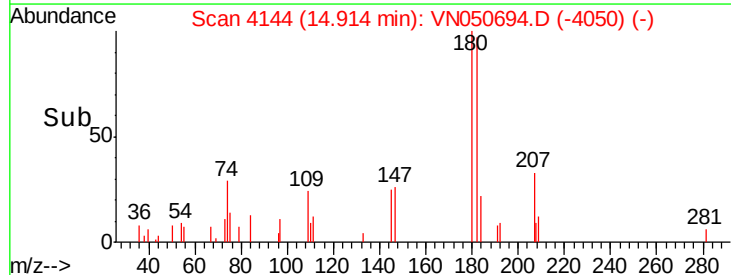
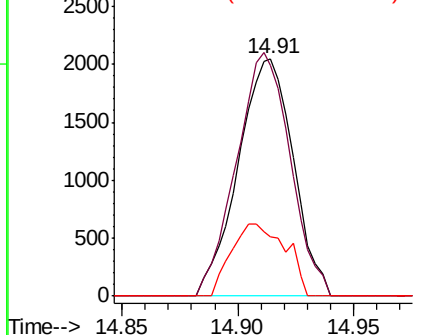


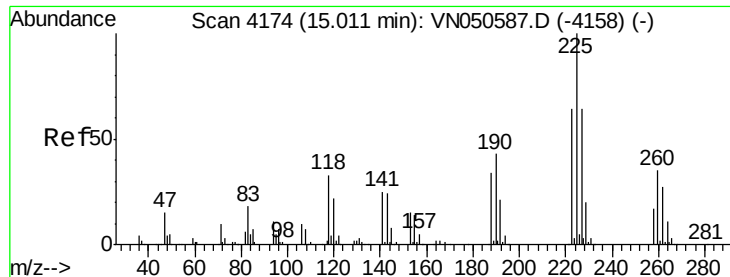
#93
 1,2,4-Trichlorobenzene
 Concen: 3.281 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Tgt Ion:180 Resp: 3382
 Ion Ratio Lower Upper
 180 100
 182 100.2 47.9 143.7
 145 30.0 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.577 ug/l

RT: 15.01 min Scan# 4173

Delta R.T. -0.00 min

Lab File: VN050694.D

Acq: 16 Aug 2018 11:30

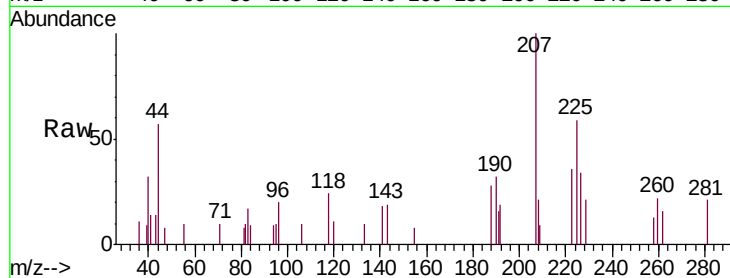
Instrument :

MSVOA_N

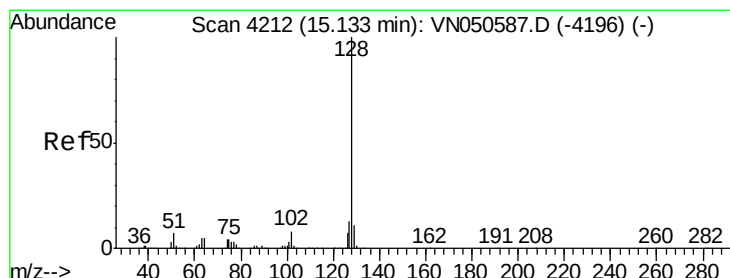
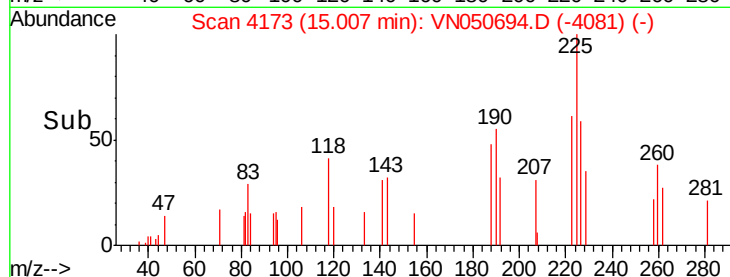
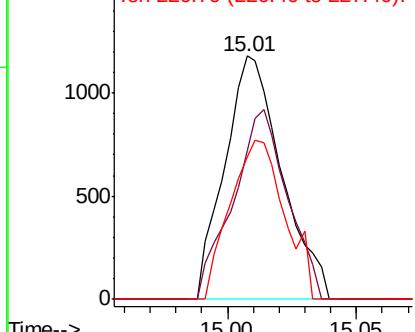
ClientSampleId :

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Tgt Ion:	225	Resp:	1818
Ion	Ratio	Lower	Upper
225	100		
223	74.4	32.1	96.3
227	62.5	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.875 ug/l

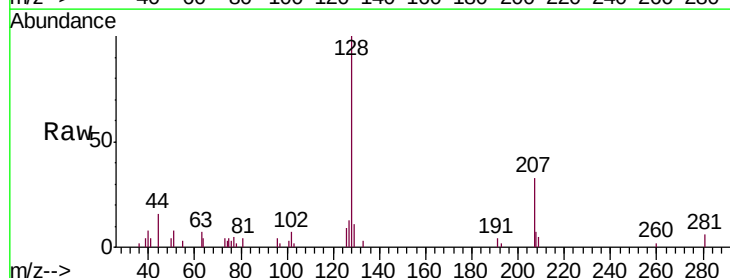
RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

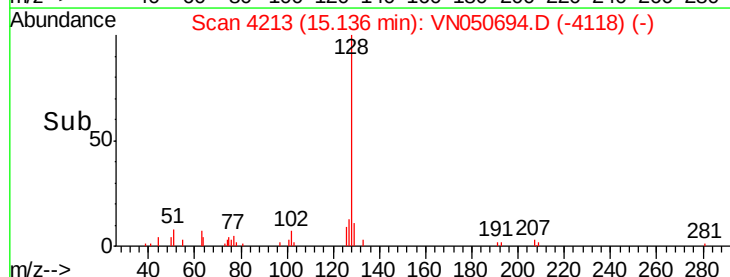
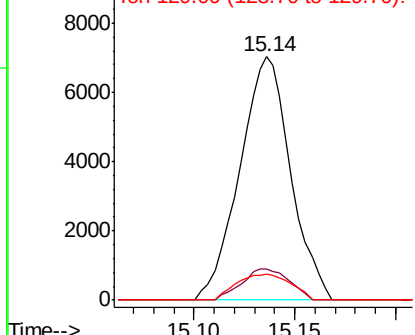
Lab File: VN050694.D

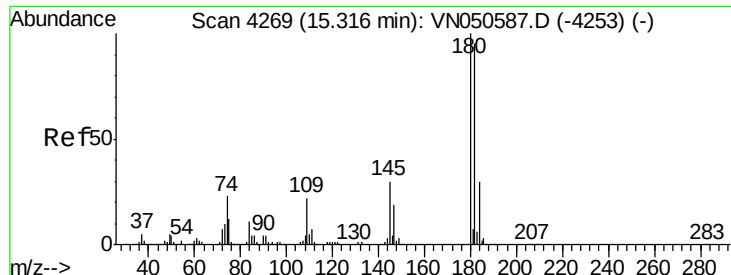
Acq: 16 Aug 2018 11:30

Tgt Ion:	128	Resp:	12322
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

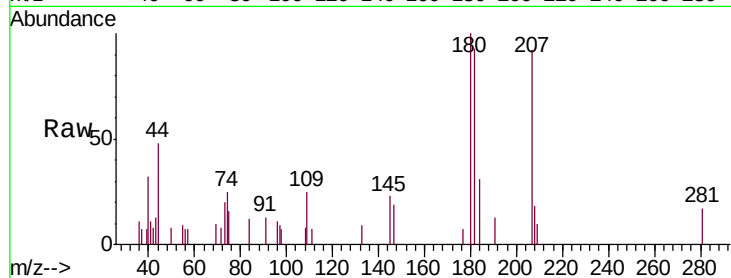




#96
 1,2,3-Trichlorobenzene
 Concen: 2.724 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050694.D
 Acq: 16 Aug 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 BROWN-FRAC-TANK

Tgt Ion:	180	Resp:	4021
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.8
145	30.0	14.6	44.0



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

