

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050635.D
 Acq On : 15 Aug 2018 5:34
 Operator : MD\SY
 Sample : J4474-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-SV28570L

Quant Time: Aug 15 07:30:34 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	623708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	980383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	875703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	352989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412330	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	7.59	113	394387	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.09	98	1400727	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.40	95	394305	40.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.04%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	2474	Below Cal	#	83
5) Bromomethane	2.57	94	3169	Below Cal		95
6) Chloroethane	2.70	64	318	Below Cal	#	43
10) Methyl Iodide	3.97	142	381	7.011 ug/l	#	63
13) Acrolein	3.62	56	29	Below Cal	#	60
16) Acetone	3.82	43	36488	17.238 ug/l		91
18) Methyl Acetate	4.34	43	3759	Below Cal	#	73
20) Methylene Chloride	4.54	84	378	Below Cal	#	59
25) 2-Butanone	6.85	43	5143	1.595 ug/l		98
31) Cyclohexane	7.67	56	10661	0.553 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	43386	3.975 ug/l	#	48
38) Carbon Tetrachloride	7.66	117	54526	4.816 ug/l	#	17
43) Isopropyl Acetate	8.25	43	9508	0.846 ug/l	#	60
51) 4-Methyl-2-Pentanone	9.99	43	5632	0.741 ug/l		88
52) Toluene	10.16	92	1857289	93.693 ug/l		98
53) t-1,3-Dichloropropene	10.16	75	19810	1.907 ug/l	#	1
60) Dibromochloromethane	10.63	129	11282	1.380 ug/l	#	10
64) Tetrachloroethene	10.63	164	13675	1.682 ug/l		89
67) Ethyl Benzene	11.51	91	15033	0.427 ug/l		96
68) m/p-Xylenes	11.62	106	13526	1.005 ug/l		97
69) o-Xylene	11.95	106	8551	0.666 ug/l		88
70) Styrene	11.97	104	3945	1.110 ug/l	#	80
71) Bromoform	12.40	173	1262	0.233 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	256	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	190948	33.135 ug/l	#	100
78) n-propylbenzene	12.59	91	9555	0.311 ug/l		94
79) 2-Chlorotoluene	12.66	91	4744	0.247 ug/l	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	16370	0.741 ug/l		98
81) trans-1,4-Dichloro-2-buten	12.40	75	190948	120.264 ug/l	#	13
83) tert-Butylbenzene	13.04	119	7934	0.414 ug/l	#	63
84) 1,2,4-Trimethylbenzene	13.04	105	56324	2.541 ug/l		100
86) p-Isopropyltoluene	13.29	119	5322	0.251 ug/l		93
89) n-Butylbenzene	13.62	91	4164	0.243 ug/l	#	82
90) Hexachloroethane	13.89	117	2987	0.700 ug/l	#	4

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

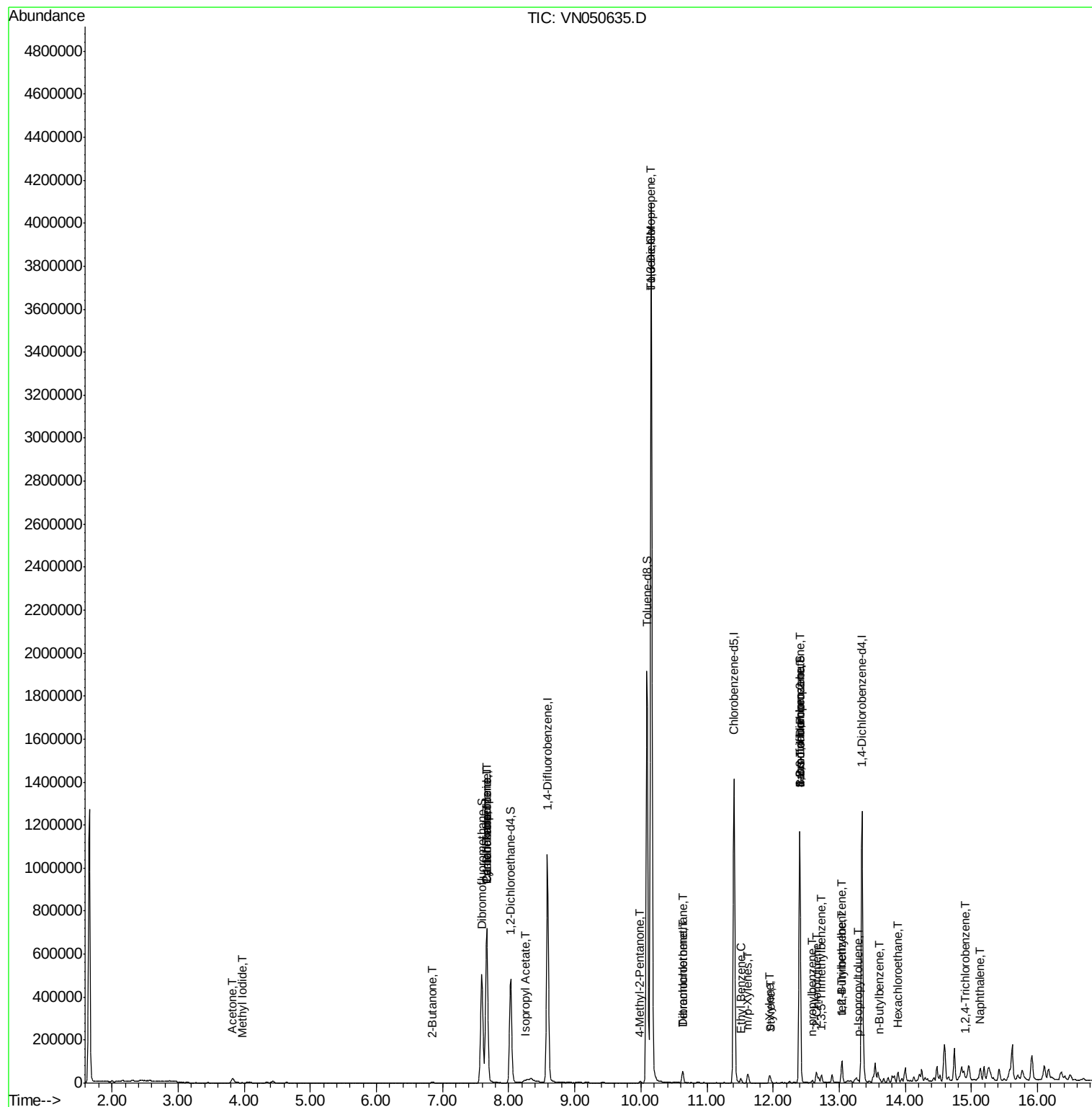
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186	2.702	ug/l #	25
95) Naphthalene	15.13	128	45836	6.976	ug/l	97

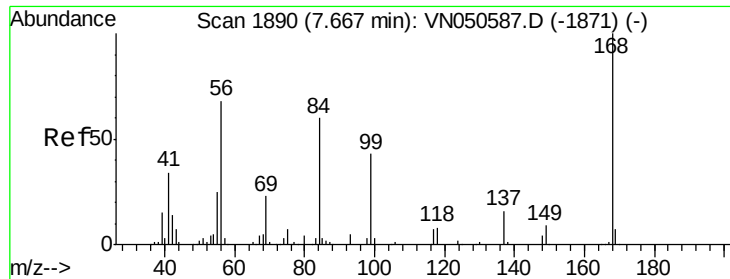
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

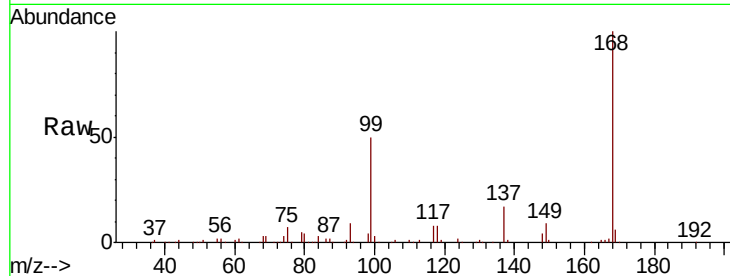
FRAC-TANK-SV28570L

Tgt Ion:168 Resp: 623708

Ion Ratio Lower Upper

168 100

99 50.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

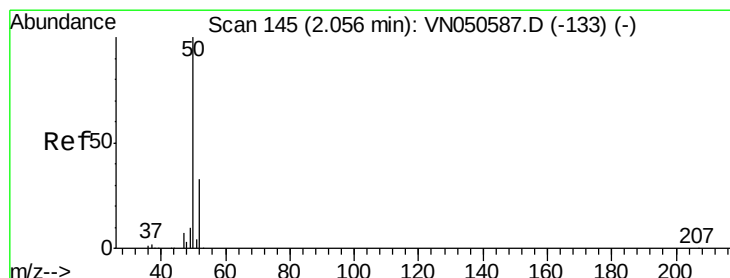
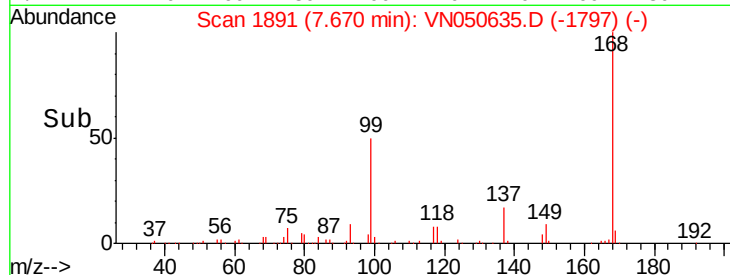
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050635.D

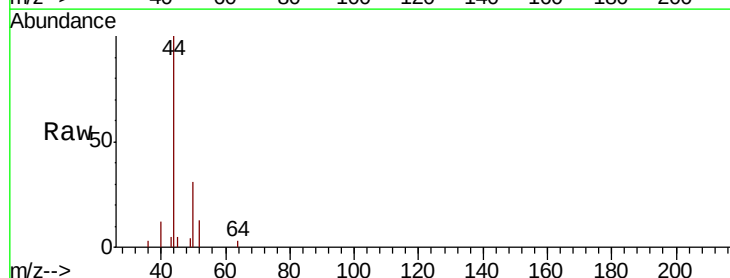
Acq: 15 Aug 2018 5:34

Tgt Ion: 50 Resp: 2474

Ion Ratio Lower Upper

50 100

52 42.3 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN050587.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050587.D (-133) (-)

2.06

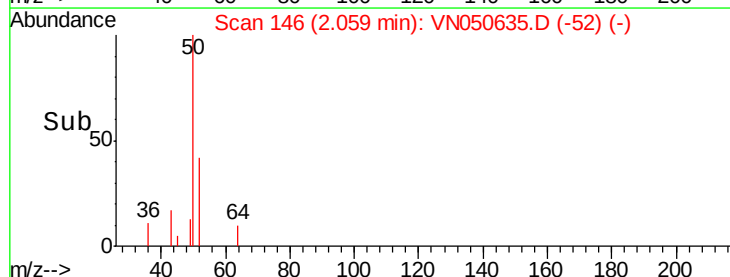
1500

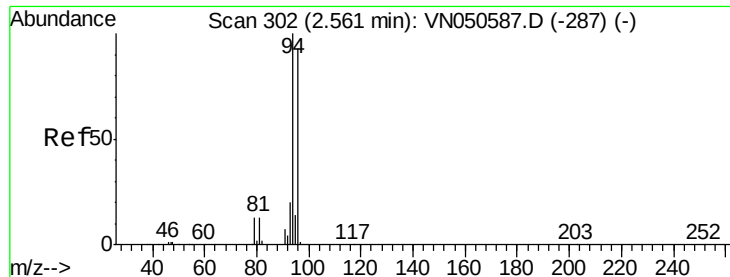
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

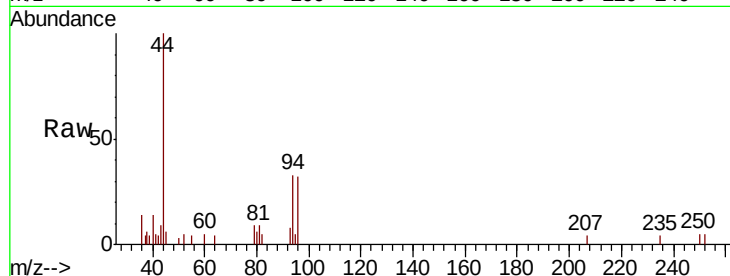
FRAC-TANK-SV28570L

Tgt Ion: 94 Resp: 3169

Ion Ratio Lower Upper

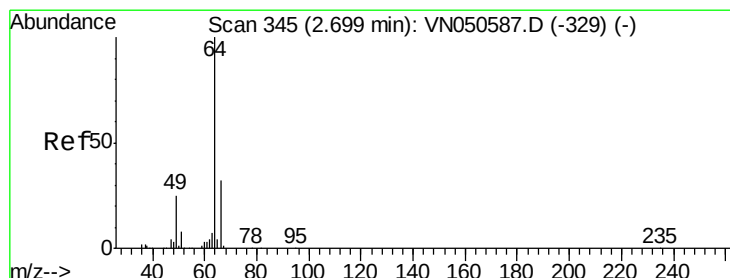
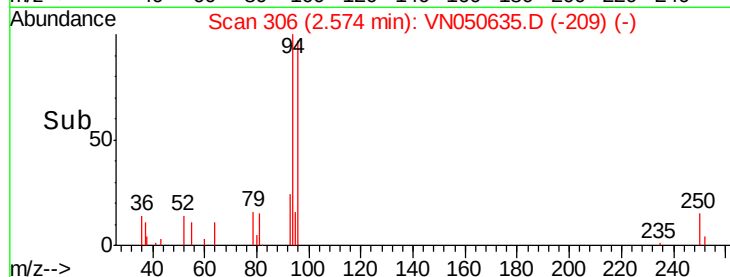
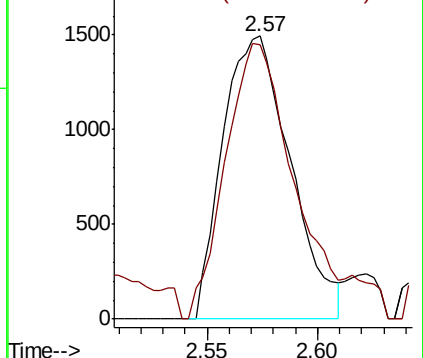
94 100

96 97.0 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# 346

Delta R.T. 0.00 min

Lab File: VN050635.D

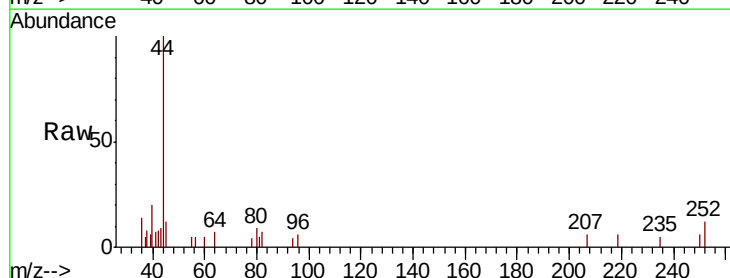
Acq: 15 Aug 2018 5:34

Tgt Ion: 64 Resp: 318

Ion Ratio Lower Upper

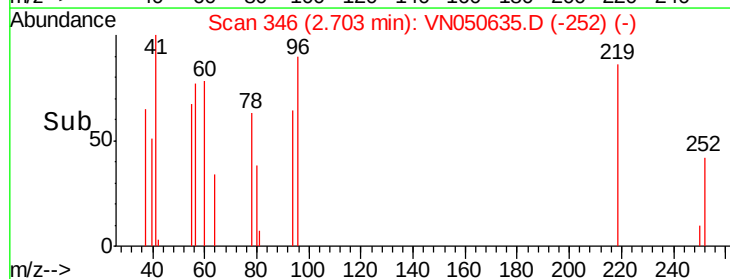
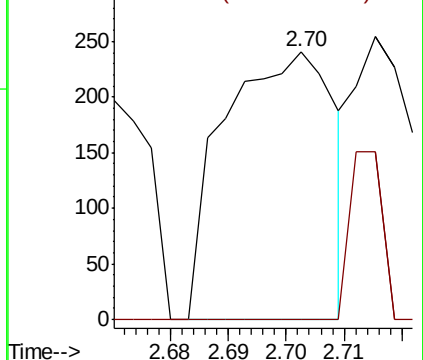
64 100

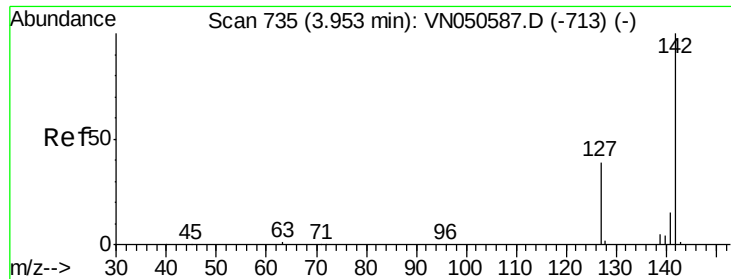
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

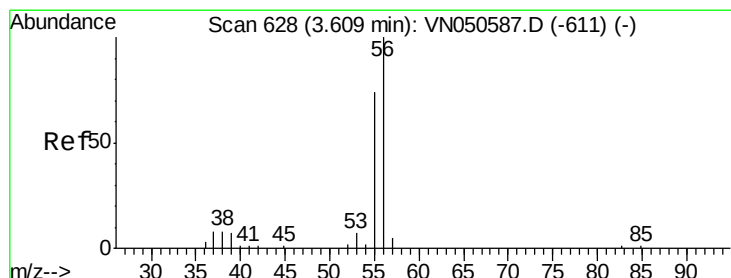
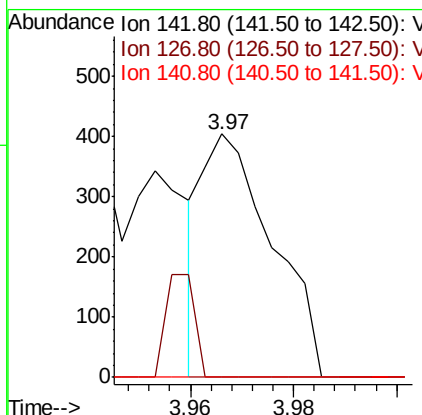
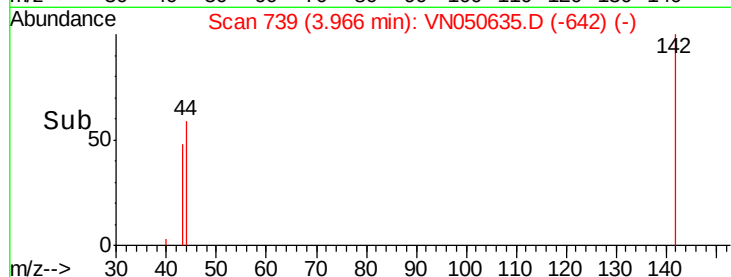
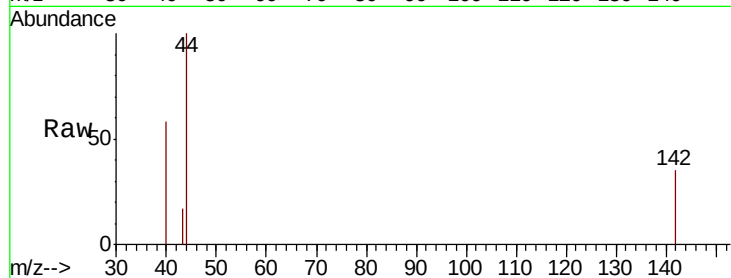




#10
Methyl Iodide
Concen: 7.011 ug/l
RT: 3.97 min Scan# 739
Delta R.T. 0.01 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

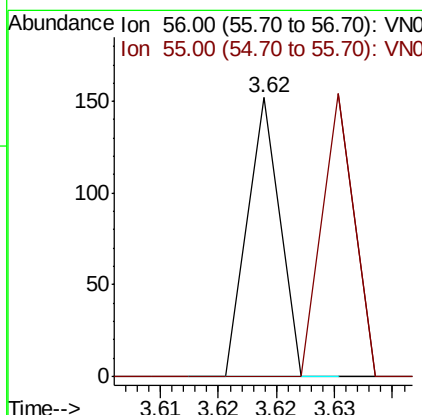
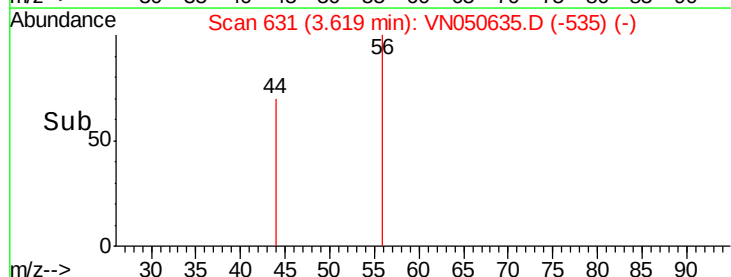
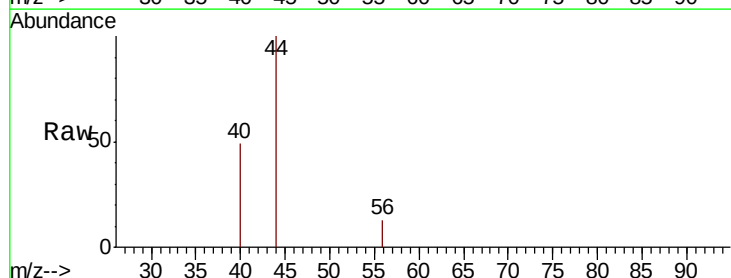
Instrument :
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ClientSampleId :
FRAC-TANK-SV28570L

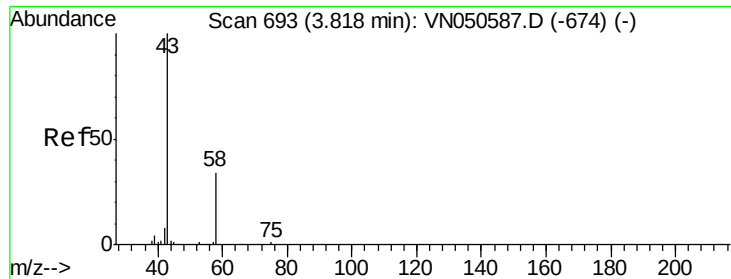
Tgt Ion: 142 Resp: 381
Ion Ratio Lower Upper
142 100
127 17.3 32.6 49.0#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: Below Cal
RT: 3.62 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 103.4 56.3 84.5#





#16

Acetone

Concen: 17.238 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

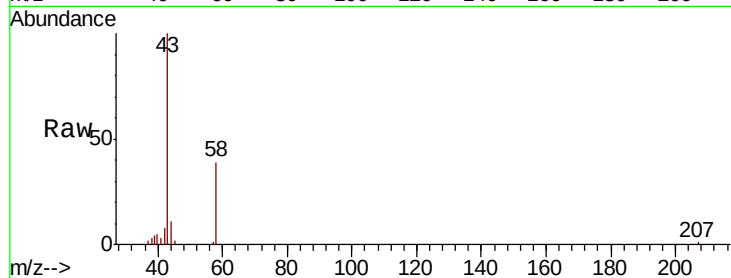
FRAC-TANK-SV28570L

Tgt Ion: 43 Resp: 36488

Ion Ratio Lower Upper

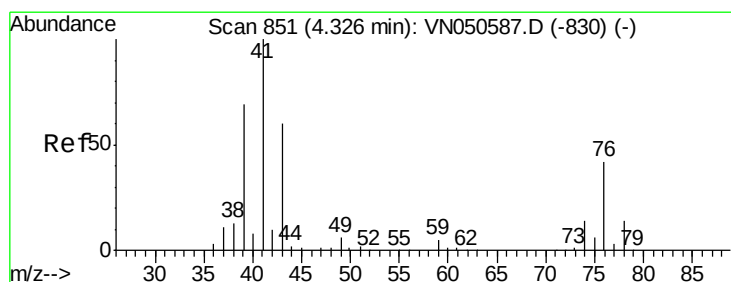
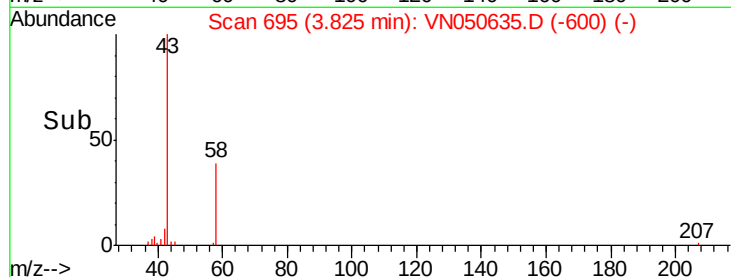
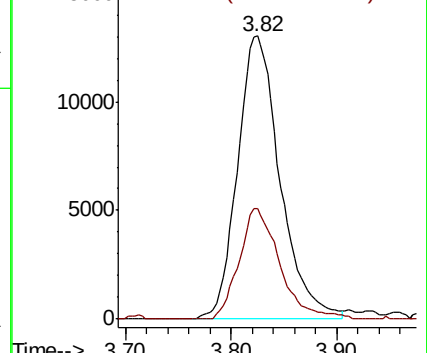
43 100

58 39.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050635.D

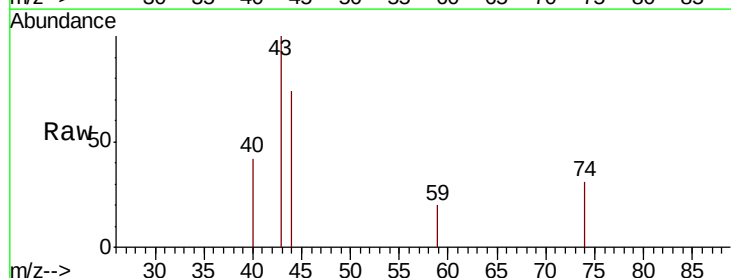
Acq: 15 Aug 2018 5:34

Tgt Ion: 43 Resp: 3759

Ion Ratio Lower Upper

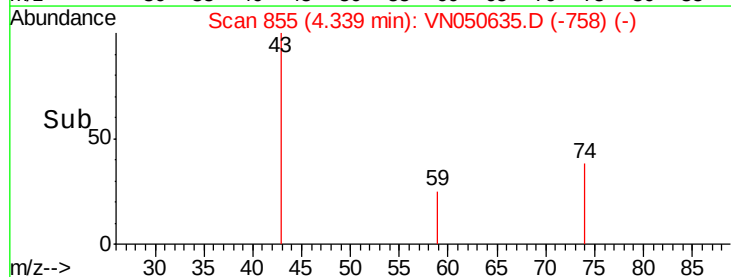
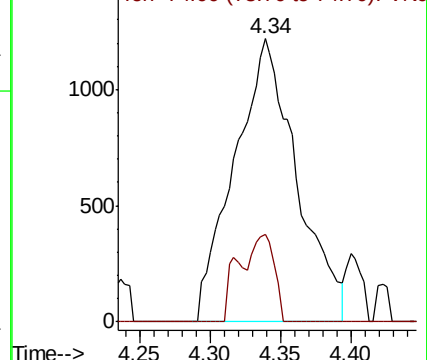
43 100

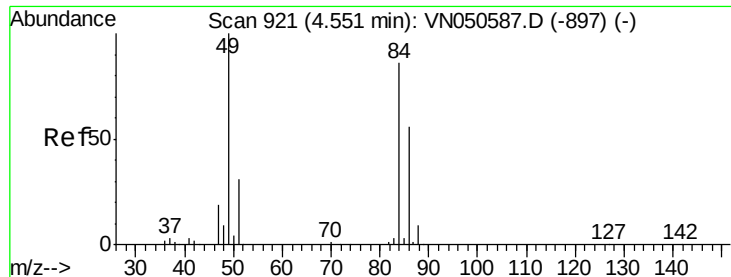
74 10.9 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

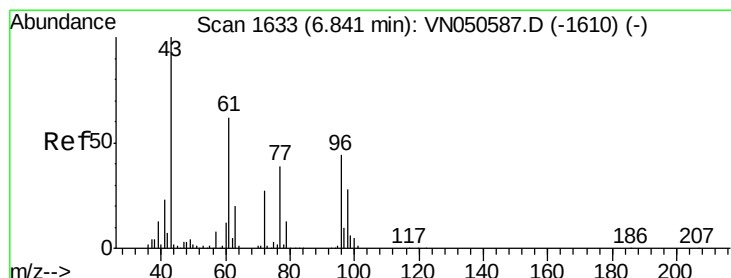
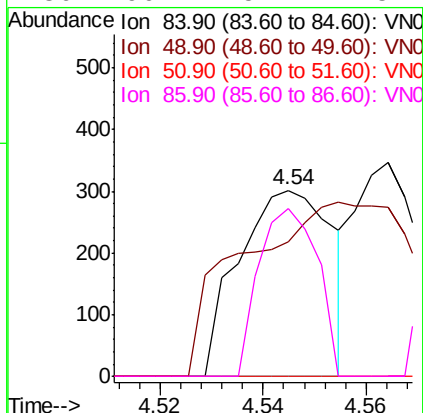
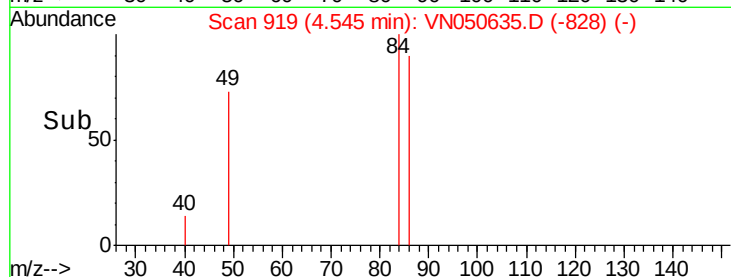
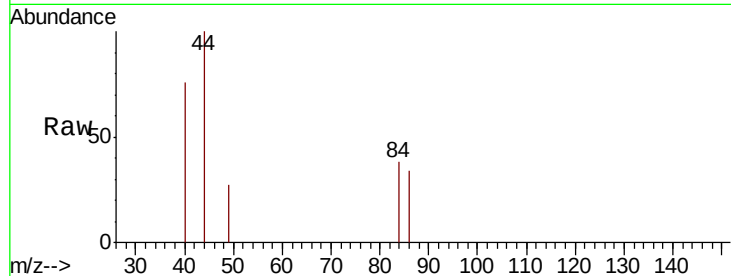




#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

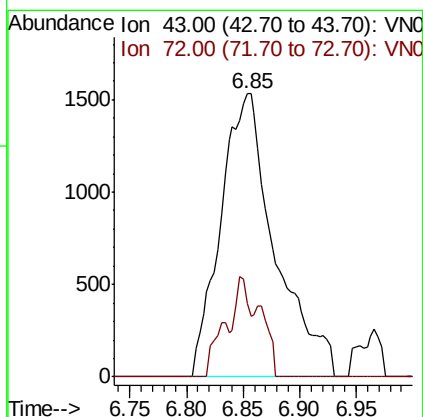
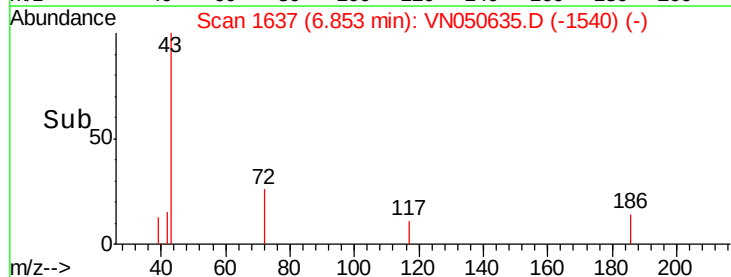
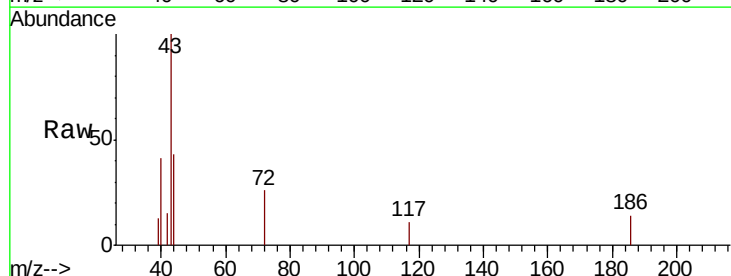
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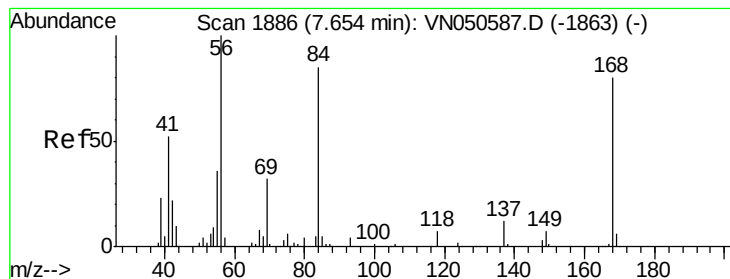
Tgt Ion: 84 Resp: 378
Ion Ratio Lower Upper
84 100
49 72.5 92.6 138.8#
51 0.0 28.6 43.0#
86 90.1 52.2 78.2#



#25
2-Butanone
Concen: 1.595 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

Tgt Ion: 43 Resp: 5143
Ion Ratio Lower Upper
43 100
72 26.1 21.8 32.6





#31

Cyclohexane

Concen: 0.553 ug/l

RT: 7.67 min Scan# 1892

Delta R.T. 0.02 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

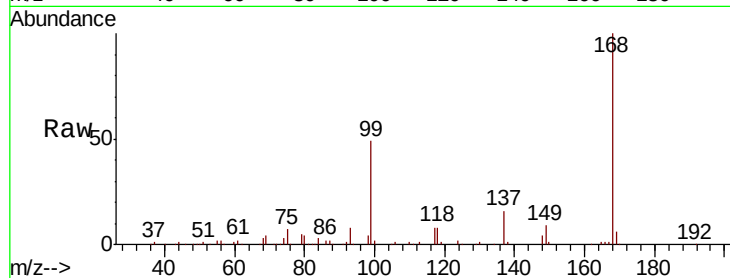
Tgt Ion: 56 Resp: 10661

Ion Ratio Lower Upper

56 100

69 213.2 25.8 38.6#

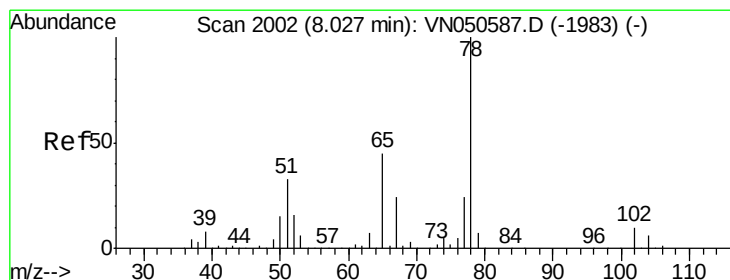
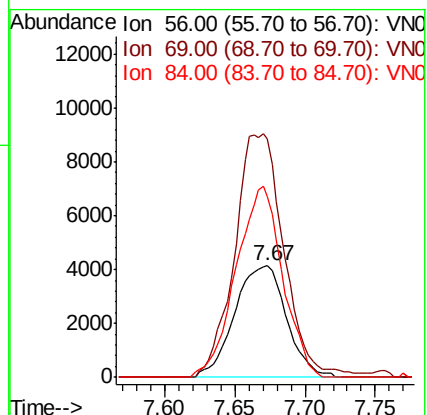
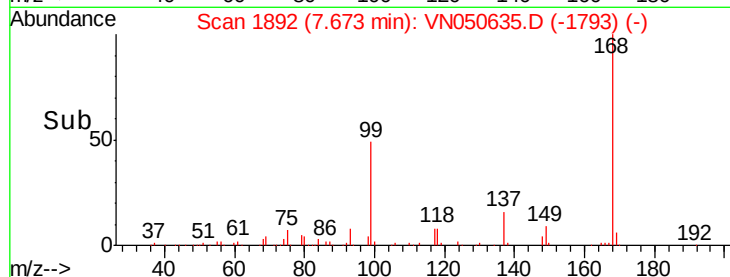
84 162.2 67.8 101.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.447 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050635.D

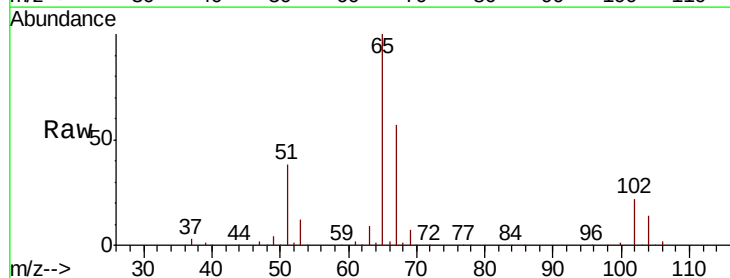
Acq: 15 Aug 2018 5:34

Tgt Ion: 65 Resp: 412330

Ion Ratio Lower Upper

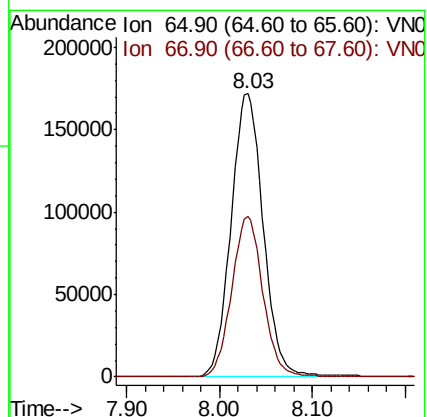
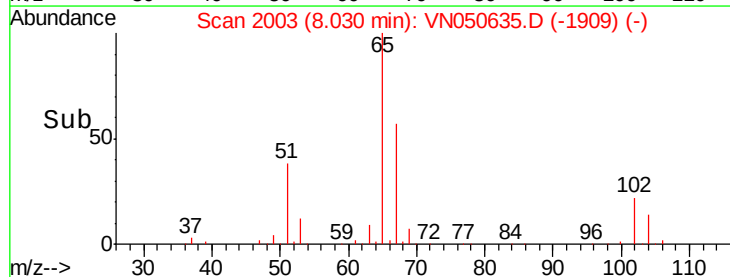
65 100

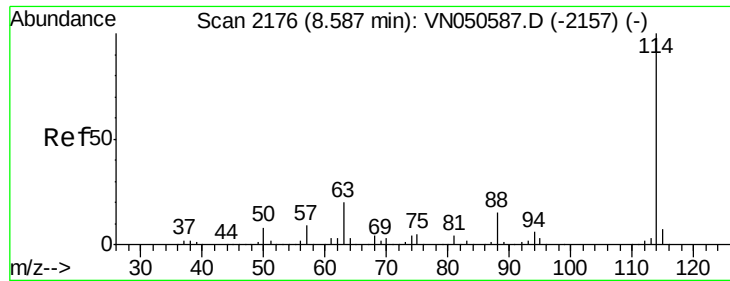
67 54.9 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

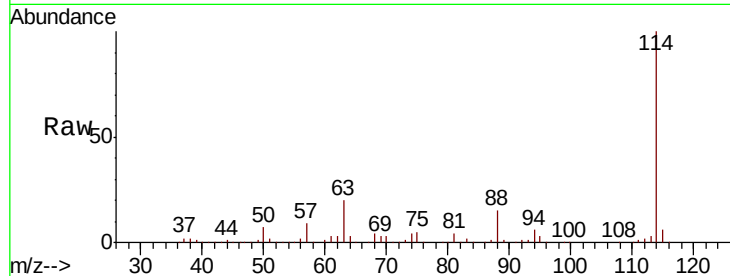




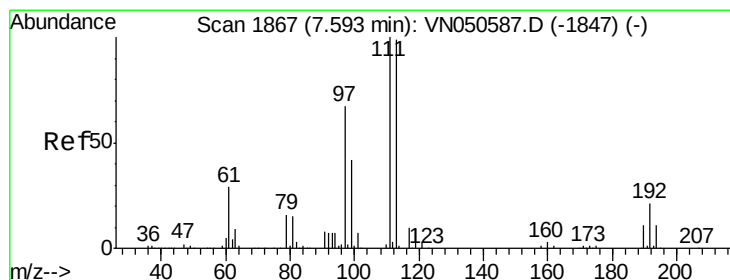
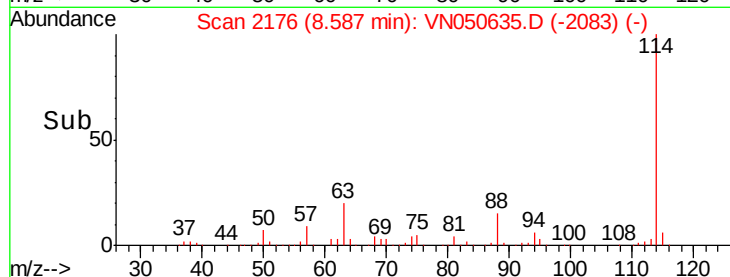
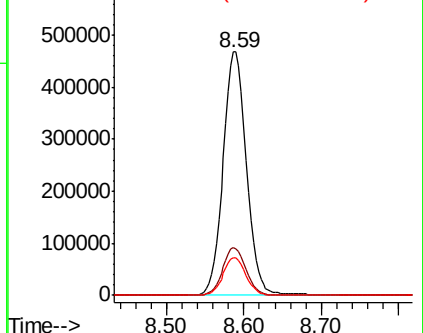
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-SV28570L

Tgt Ion:114 Resp: 980383
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.4 0.0 30.8

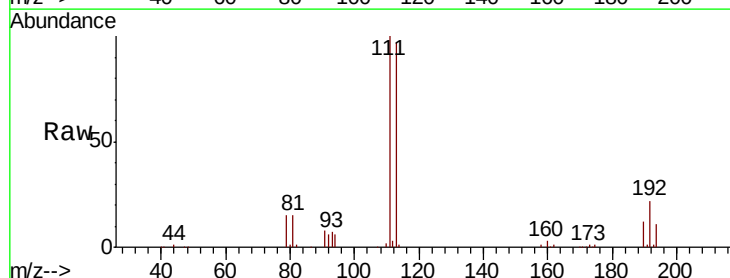


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

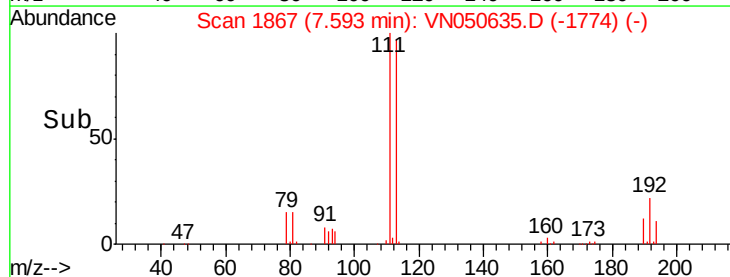
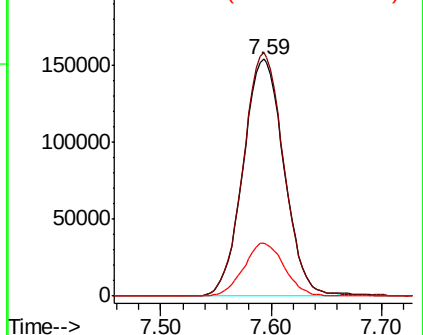


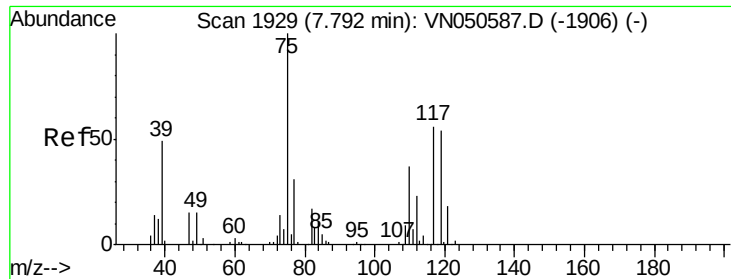
#35
 Dibromofluoromethane
 Concen: 50.388 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

Tgt Ion:113 Resp: 394387
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.0 121.6
 192 22.3 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

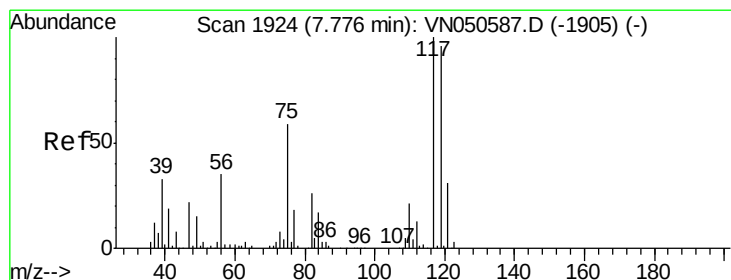
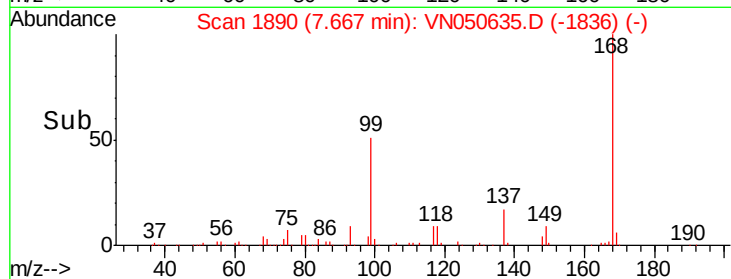
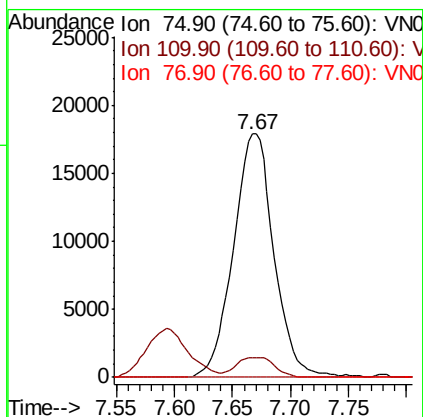
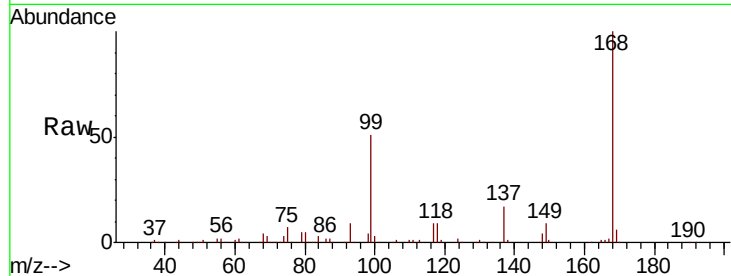




#36
 1,1-Dichloropropene
 Concen: 3.975 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

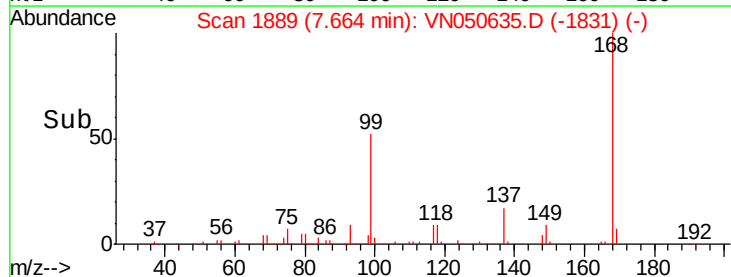
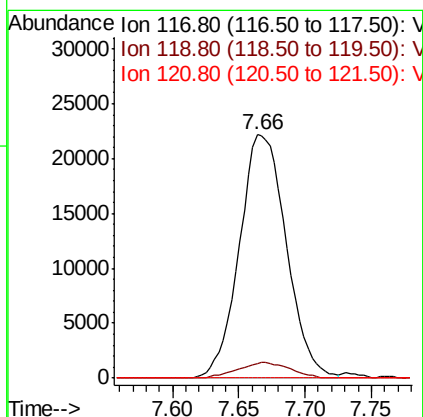
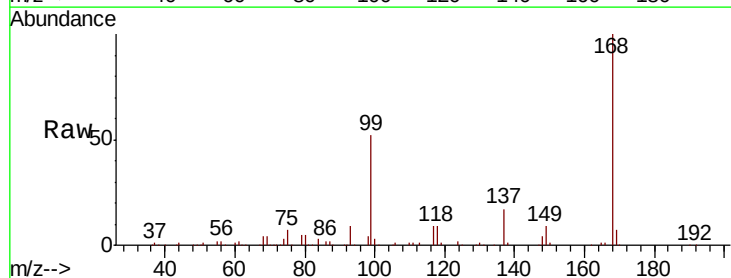
Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-SV28570L

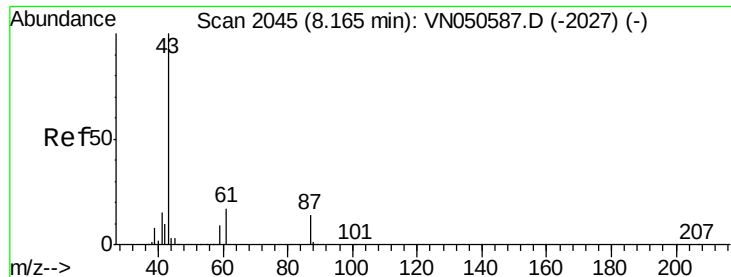
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.3	54.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 4.816 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.11 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.6	115.0#
121	0.0	25.0	37.6#





#43

Isopropyl Acetate

Concen: 0.846 ug/l

RT: 8.25 min Scan# 2071

Delta R.T. 0.08 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

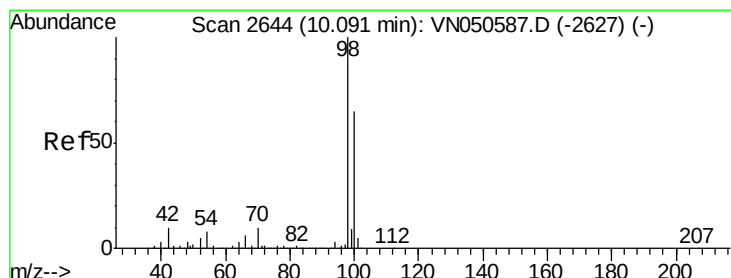
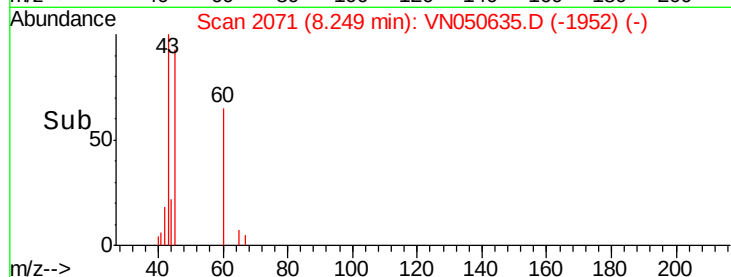
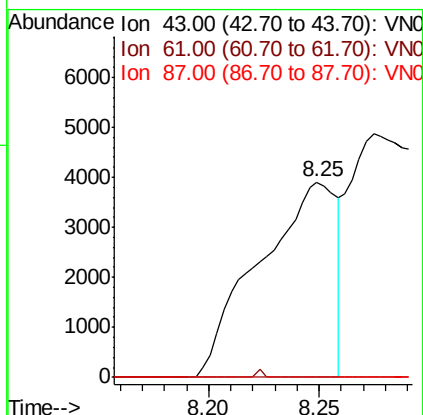
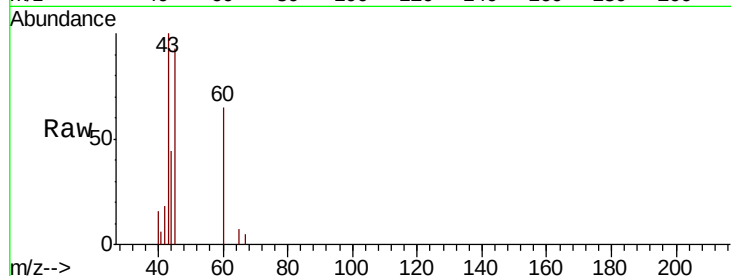
Tgt Ion: 43 Resp: 9508

Ion Ratio Lower Upper

43 100

61 0.0 16.2 24.2#

87 0.0 10.9 16.3#



#50

Toluene-d8

Concen: 47.551 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050635.D

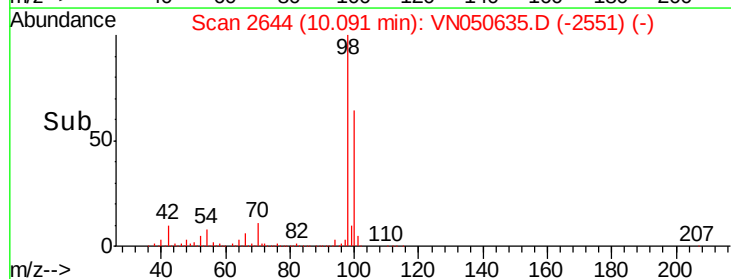
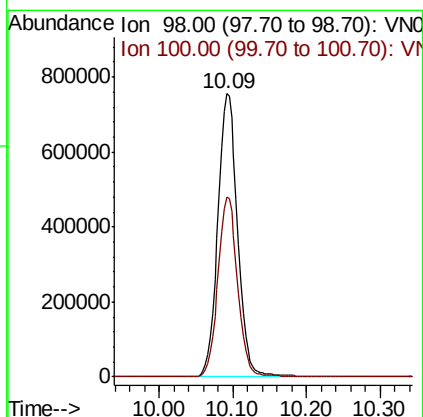
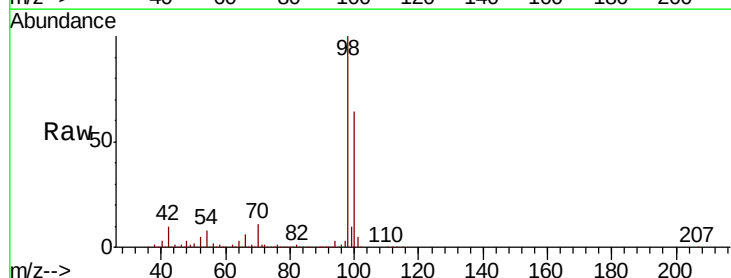
Acq: 15 Aug 2018 5:34

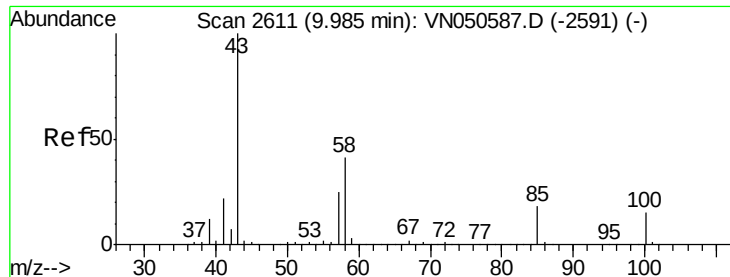
Tgt Ion: 98 Resp: 1400727

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 0.741 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

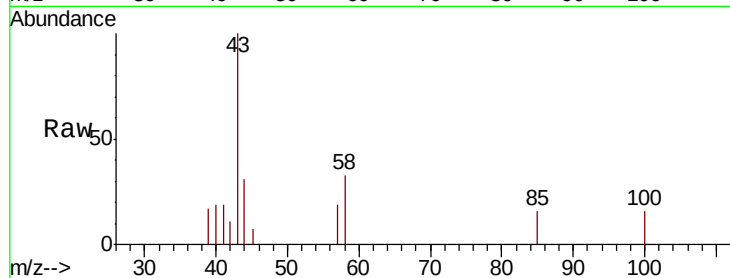
FRAC-TANK-SV28570L

Tgt Ion: 43 Resp: 5632

Ion Ratio Lower Upper

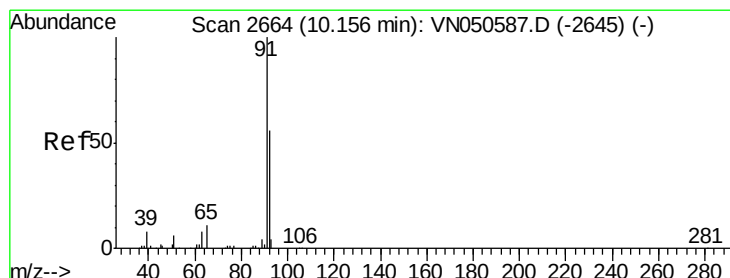
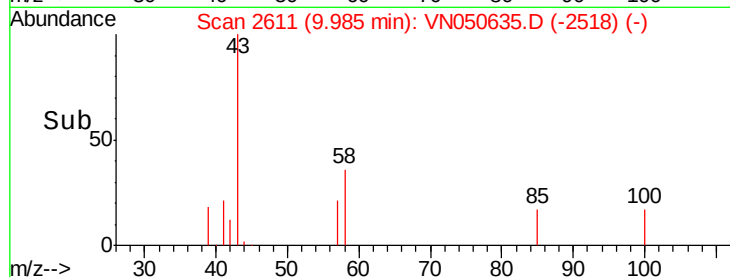
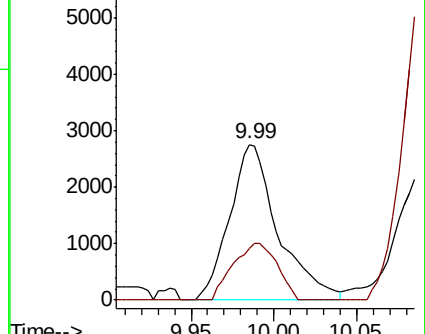
43 100

58 33.1 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 93.693 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050635.D

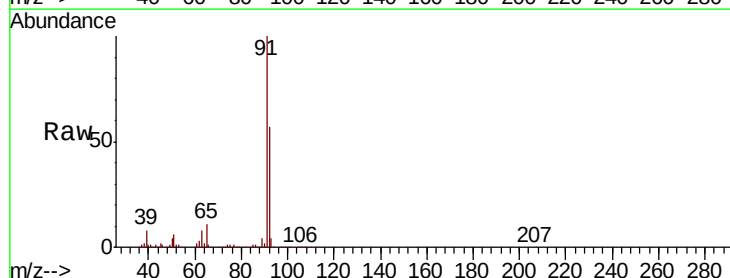
Acq: 15 Aug 2018 5:34

Tgt Ion: 92 Resp: 1857289

Ion Ratio Lower Upper

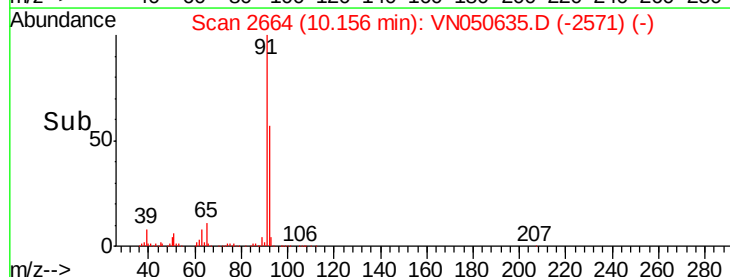
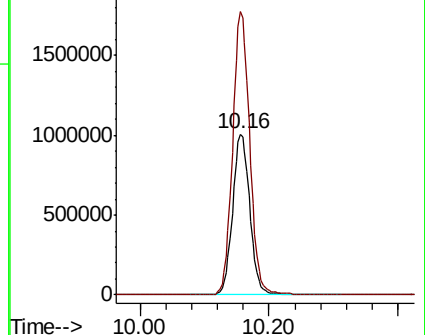
92 100

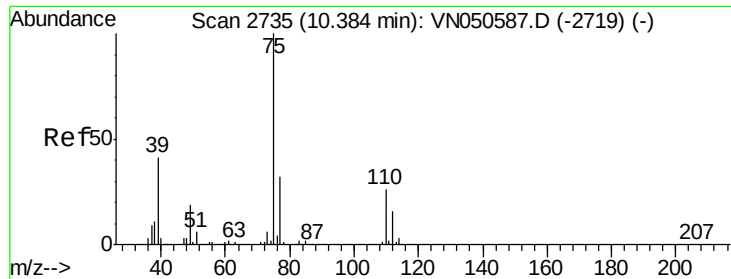
91 175.2 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

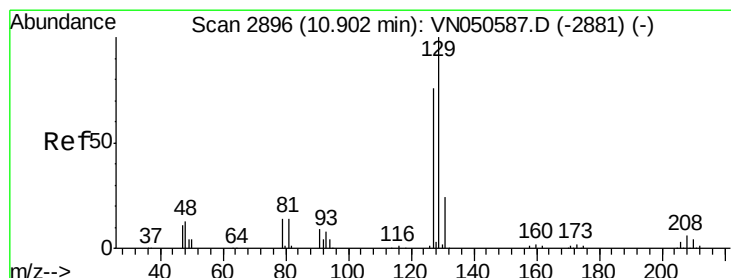
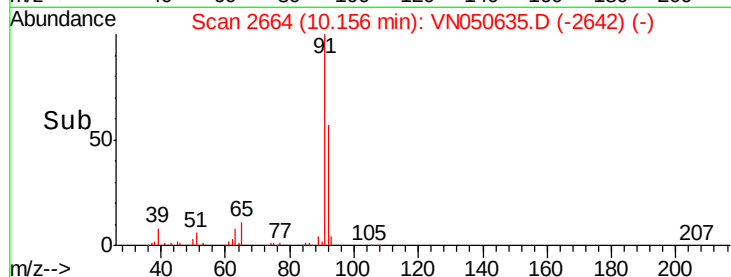
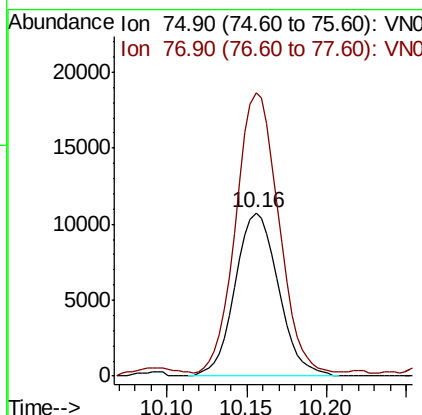
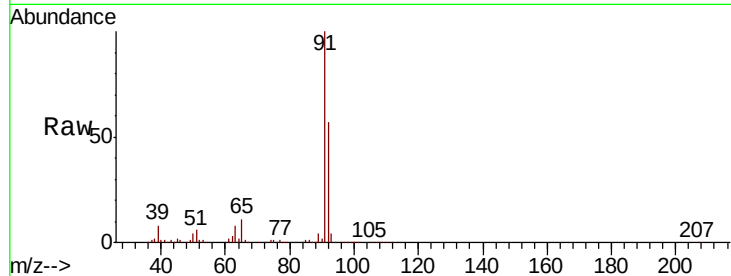




#53
t-1,3-Dichloropropene
Concen: 1.907 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.23 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

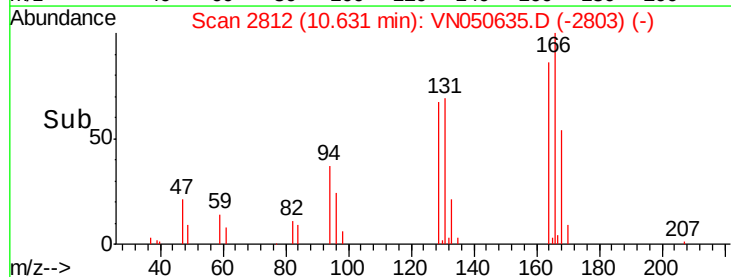
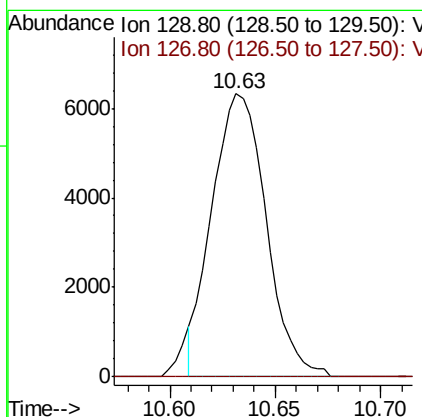
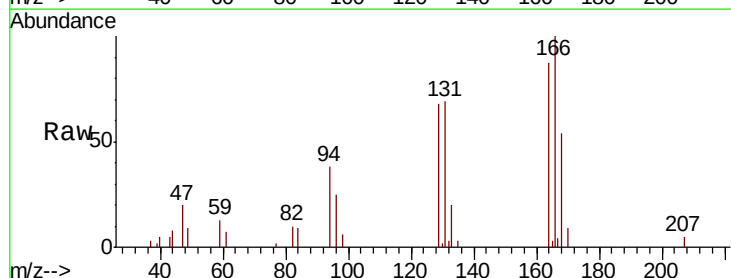
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SV28570L

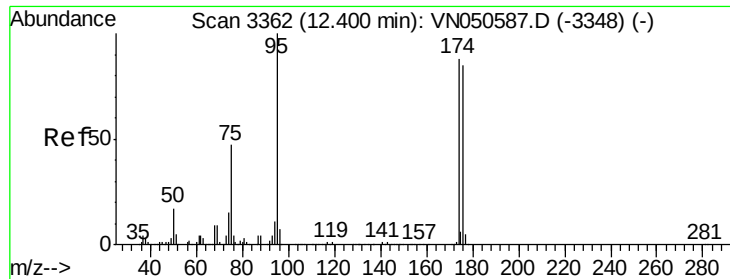
Tgt Ion: 75 Resp: 19810
Ion Ratio Lower Upper
75 100
77 171.1 25.8 38.6#



#60
Dibromochloromethane
Concen: 1.380 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.27 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

Tgt Ion: 129 Resp: 11282
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 40.518 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

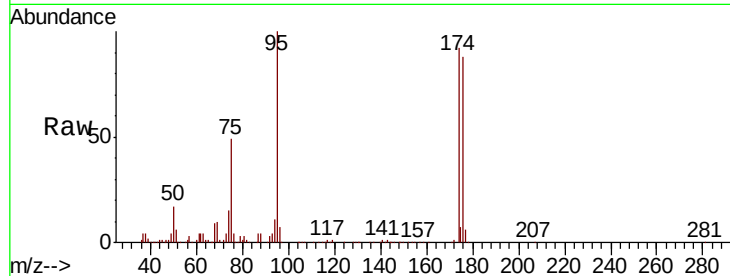
Tgt Ion: 95 Resp: 394305

Ion Ratio Lower Upper

95 100

174 92.6 0.0 177.8

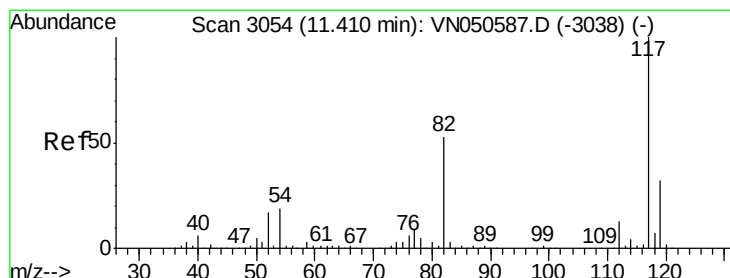
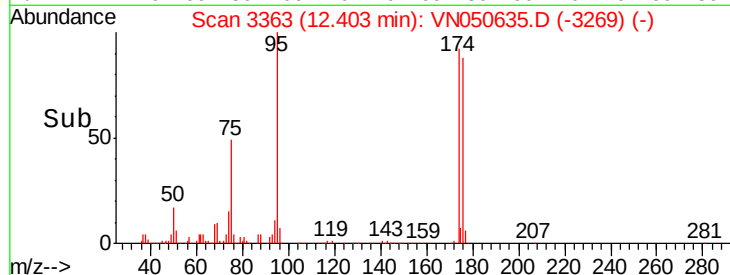
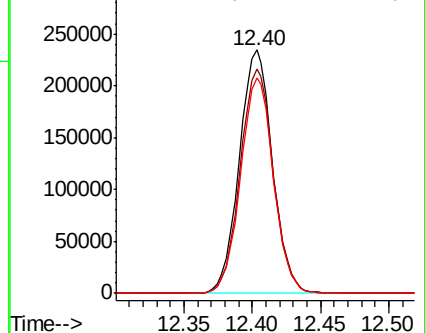
176 88.0 0.0 175.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

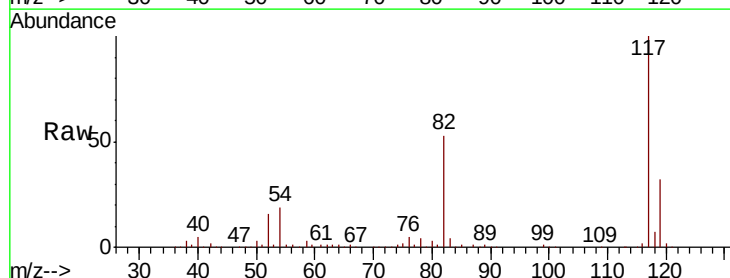
Tgt Ion: 117 Resp: 875703

Ion Ratio Lower Upper

117 100

82 52.8 42.4 63.6

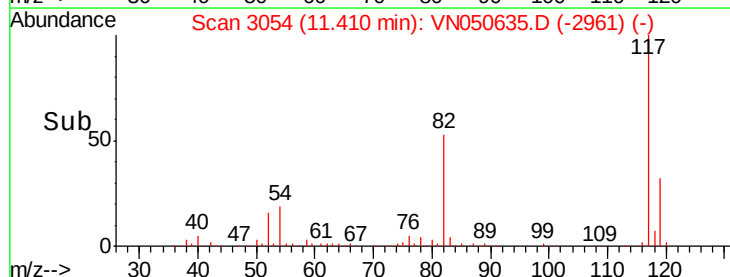
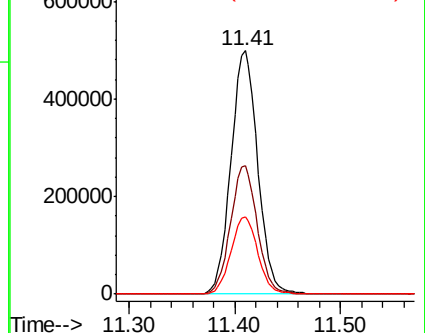
119 31.9 25.8 38.8

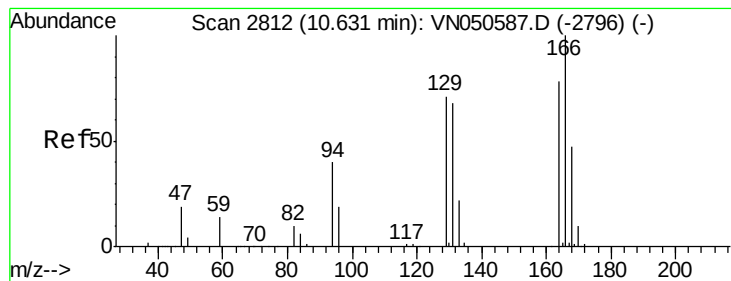


Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

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

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





#64

Tetrachloroethene

Concen: 1.682 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

Tgt Ion:164 Resp: 13675

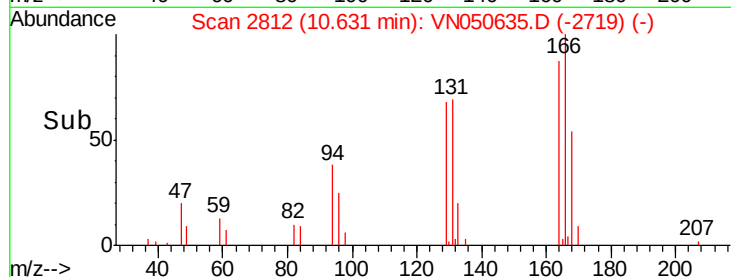
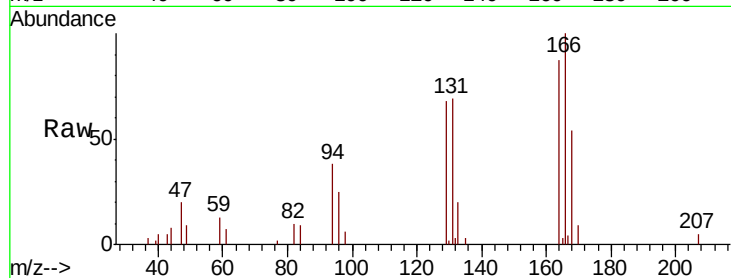
Ion Ratio Lower Upper

164 100

166 114.8 102.1 153.1

129 78.6 72.7 109.1

131 79.2 69.9 104.9

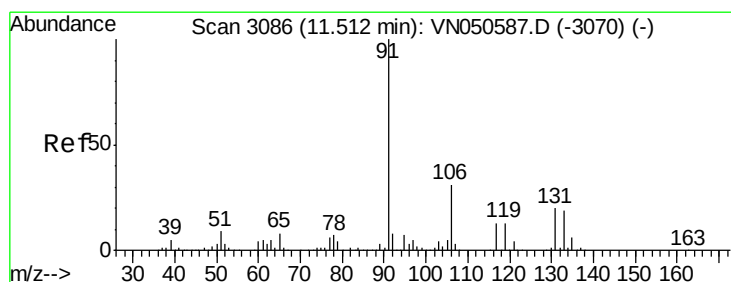
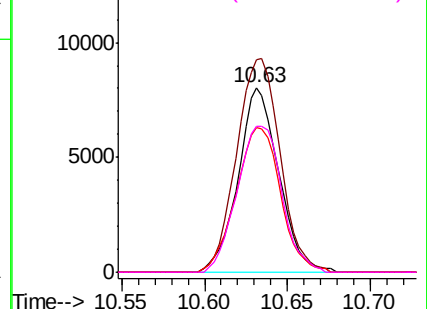


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 0.427 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050635.D

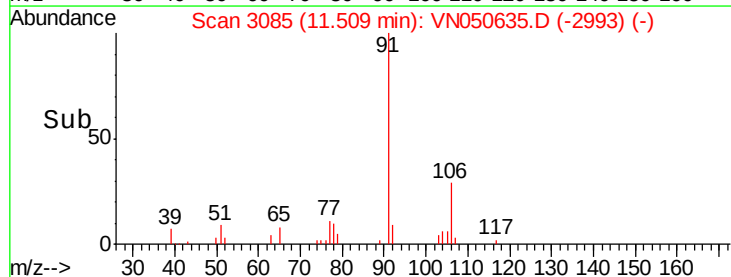
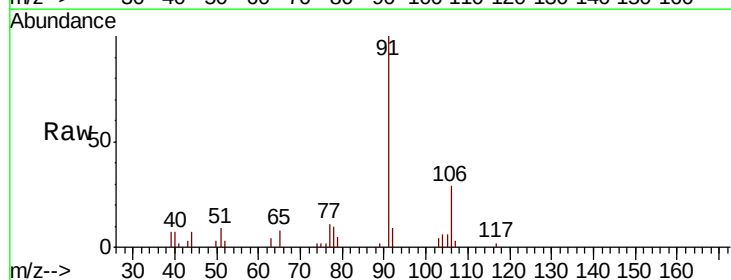
Acq: 15 Aug 2018 5:34

Tgt Ion: 91 Resp: 15033

Ion Ratio Lower Upper

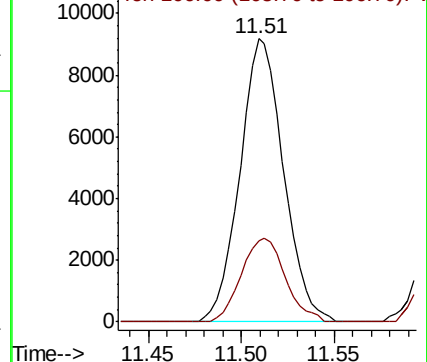
91 100

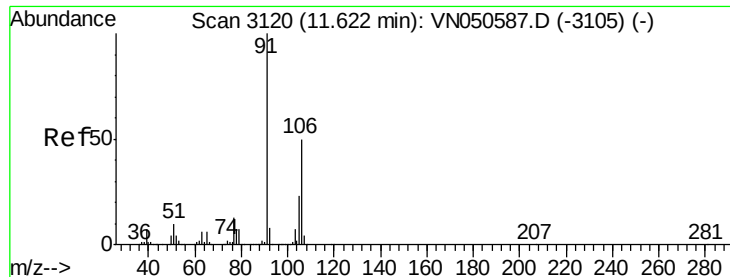
106 28.6 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

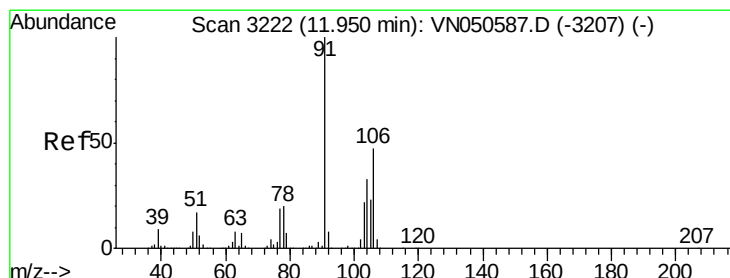
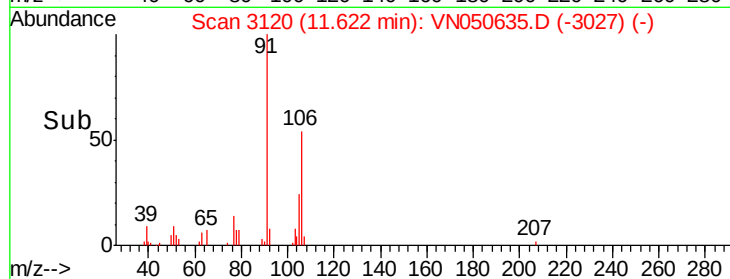
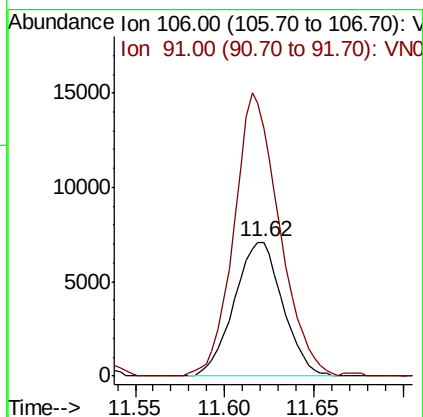
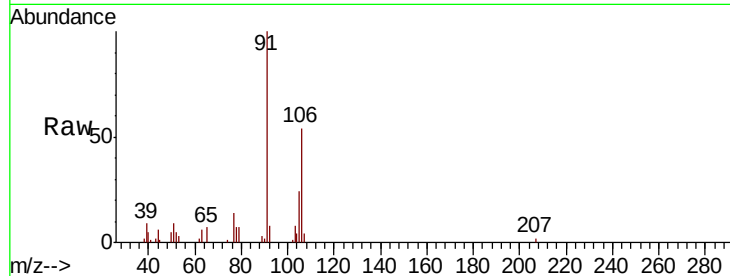




#68
m/p-Xylenes
Concen: 1.005 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

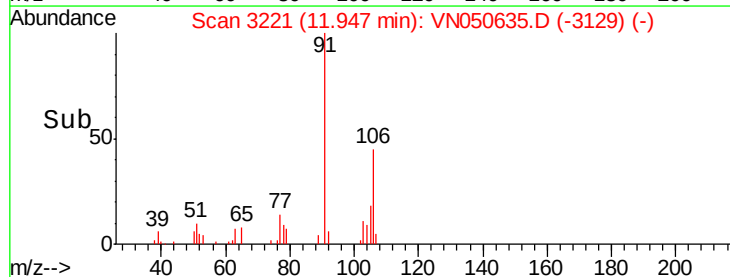
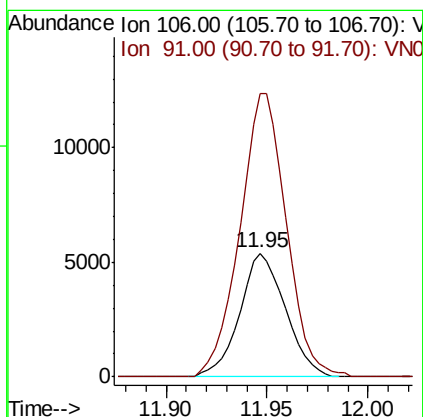
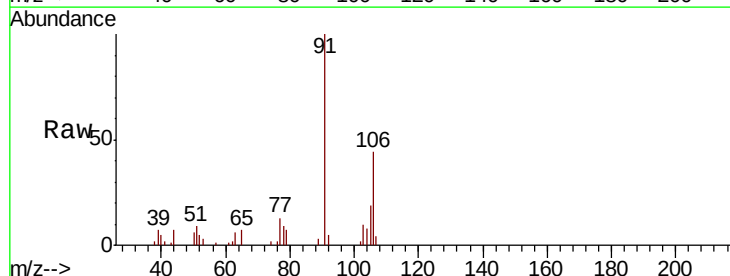
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SV28570L

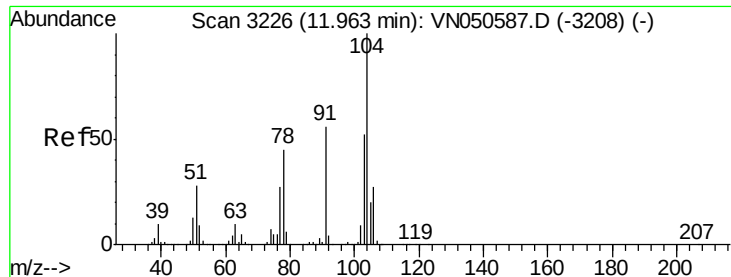
Tgt Ion:106 Resp: 13526
Ion Ratio Lower Upper
106 100
91 196.9 161.5 242.3



#69
o-Xylene
Concen: 0.666 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050635.D
Acq: 15 Aug 2018 5:34

Tgt Ion:106 Resp: 8551
Ion Ratio Lower Upper
106 100
91 233.2 106.8 320.4





#70

Styrene

Concen: 1.110 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

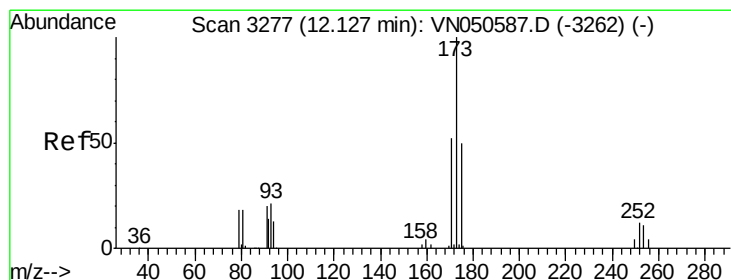
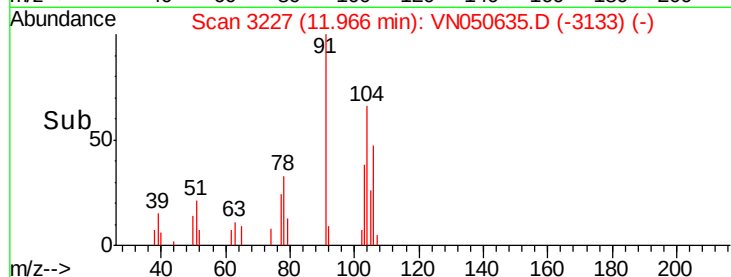
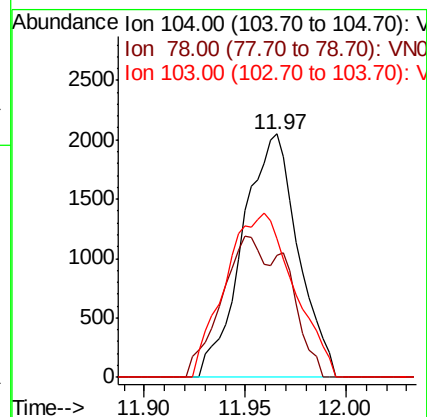
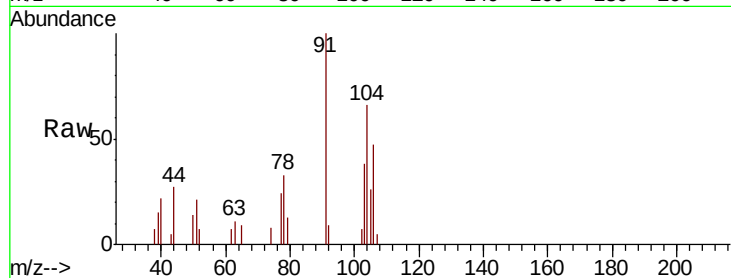
Tgt Ion:104 Resp: 3945

Ion Ratio Lower Upper

104 100

78 47.9 39.1 58.7

103 82.7 44.9 67.3#



#71

Bromoform

Concen: 0.233 ug/l

RT: 12.40 min Scan# 3361

Delta R.T. 0.27 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

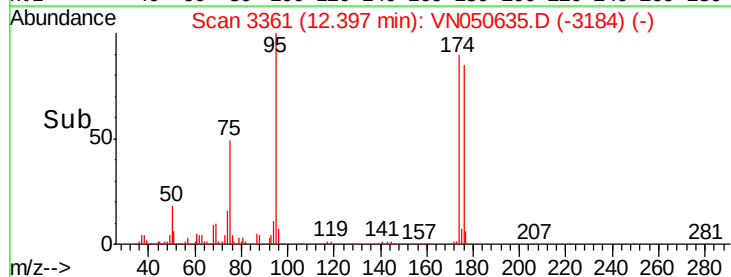
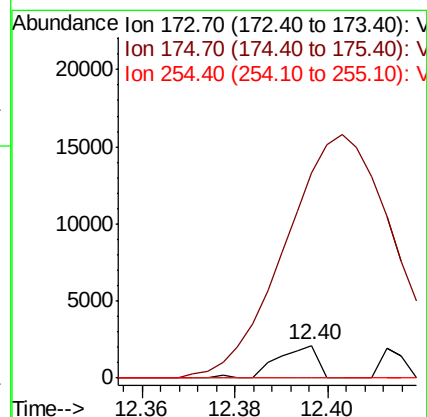
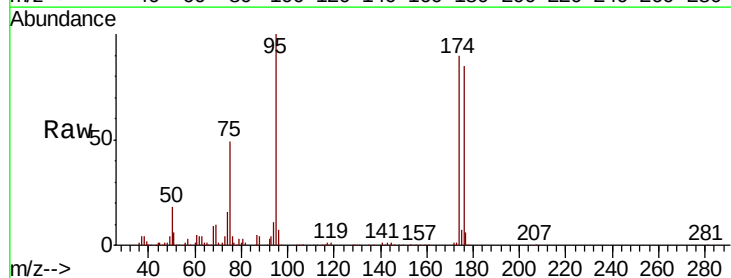
Tgt Ion:173 Resp: 1262

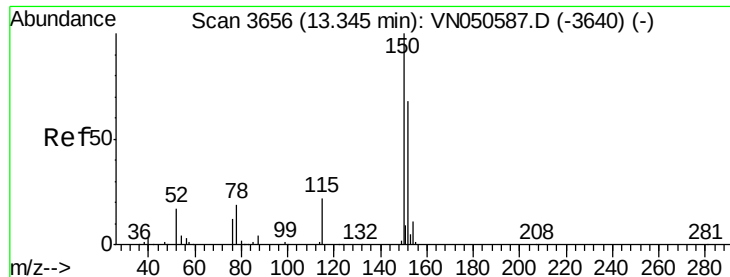
Ion Ratio Lower Upper

173 100

175 1753.0 24.4 73.2#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

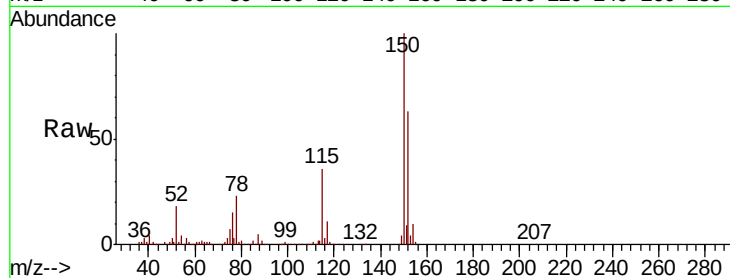
Tgt Ion:152 Resp: 352989

Ion Ratio Lower Upper

152 100

115 57.2 28.1 84.2

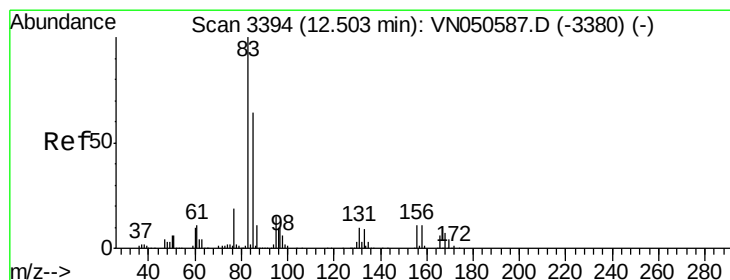
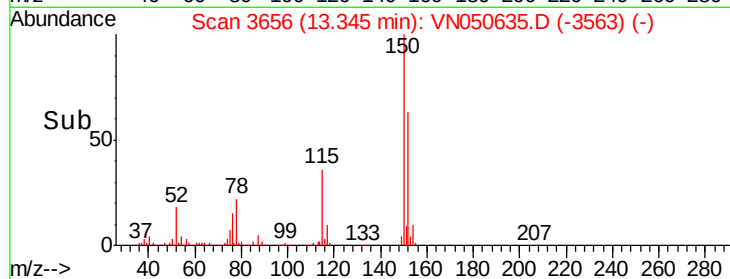
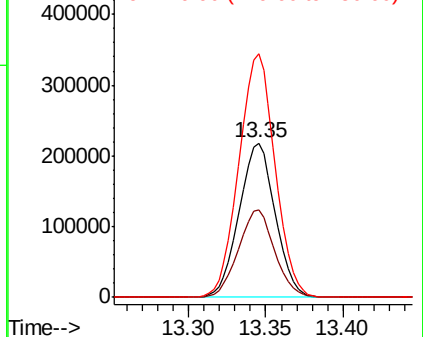
150 158.2 0.0 347.8



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: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

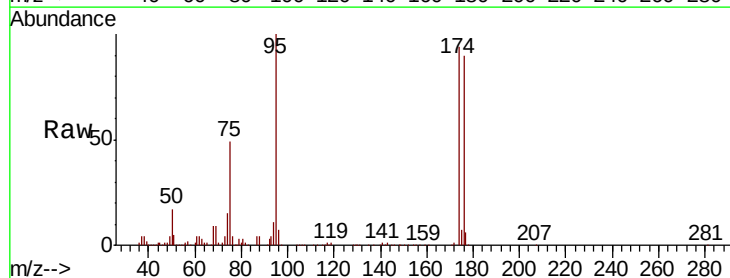
Tgt Ion: 83 Resp: 256

Ion Ratio Lower Upper

83 100

131 162.1 5.3 15.9#

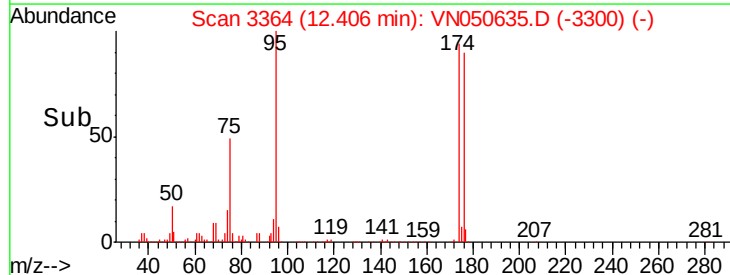
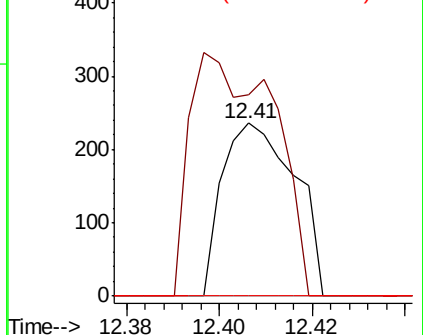
85 0.0 32.1 96.5#

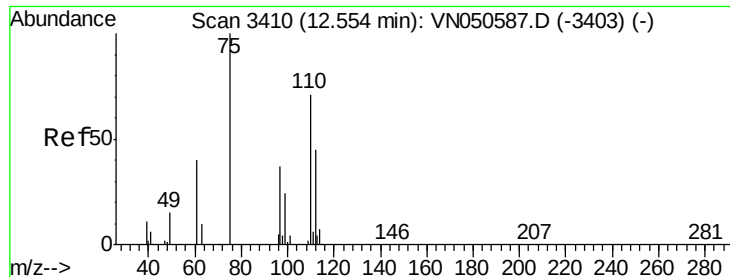


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.135 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

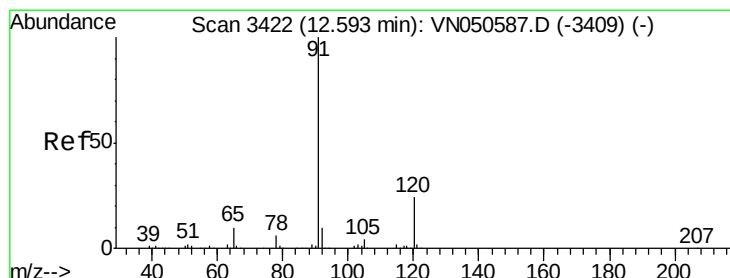
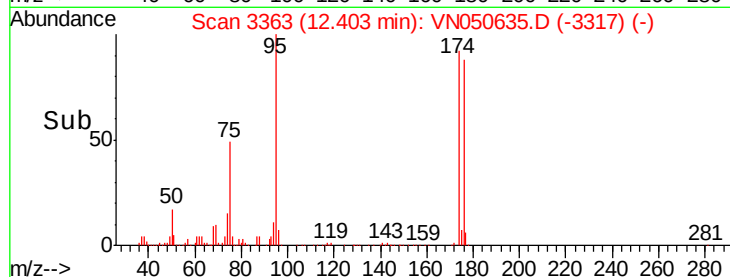
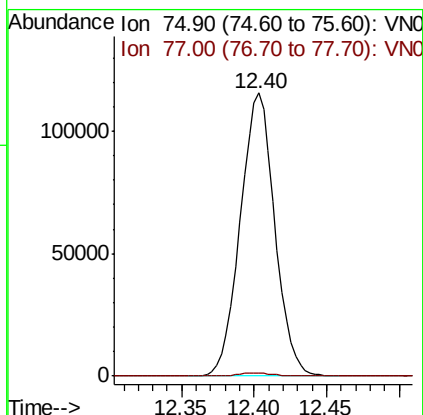
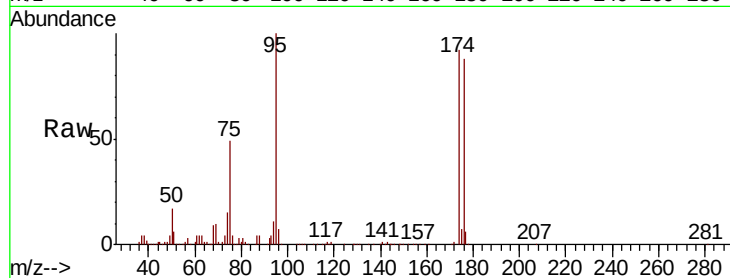
FRAC-TANK-SV28570L

Tgt Ion: 75 Resp: 190948

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#78

n-propylbenzene

Concen: 0.311 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050635.D

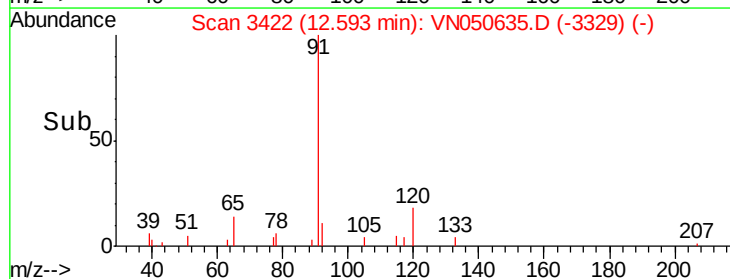
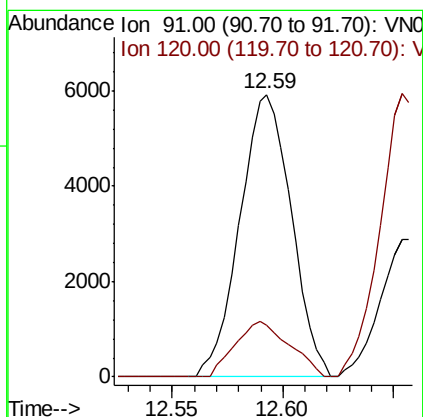
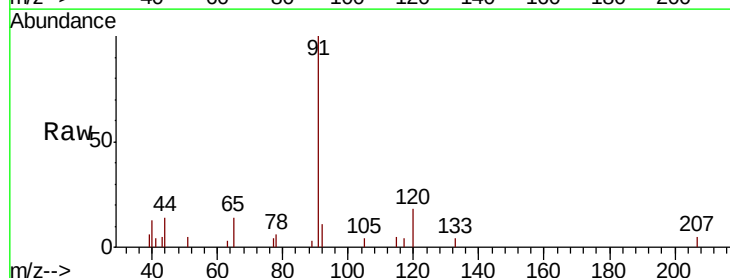
Acq: 15 Aug 2018 5:34

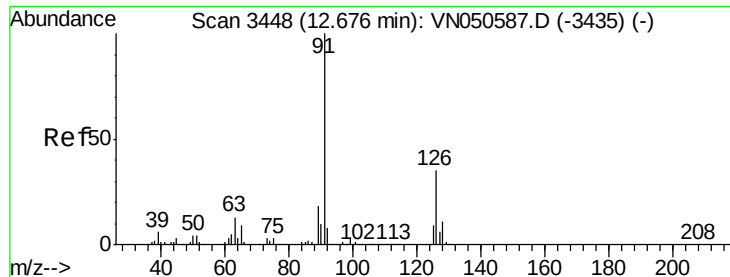
Tgt Ion: 91 Resp: 9555

Ion Ratio Lower Upper

91 100

120 20.7 11.8 35.4

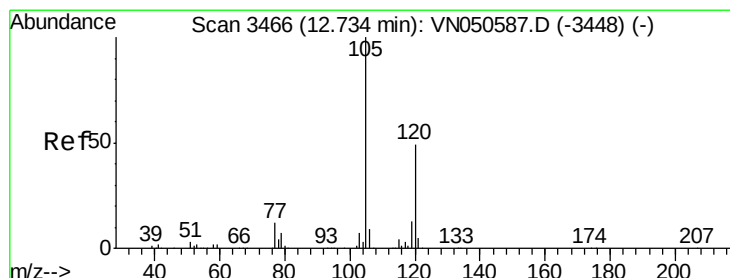
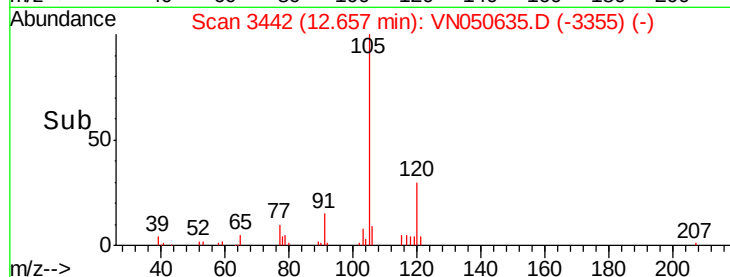
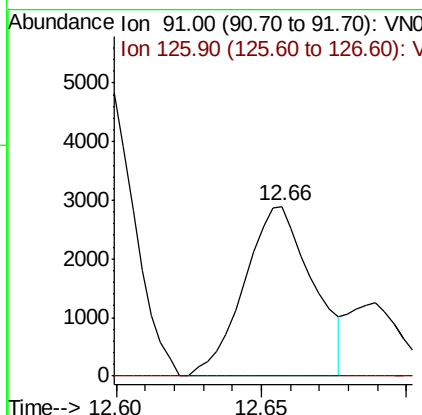
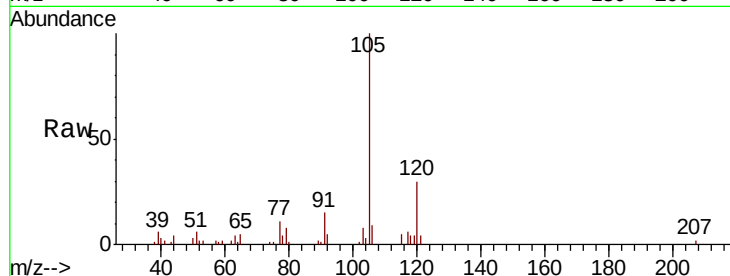




#79
 2-Chlorotoluene
 Concen: 0.247 ug/l
 RT: 12.66 min Scan# 3442
 Delta R.T. -0.02 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

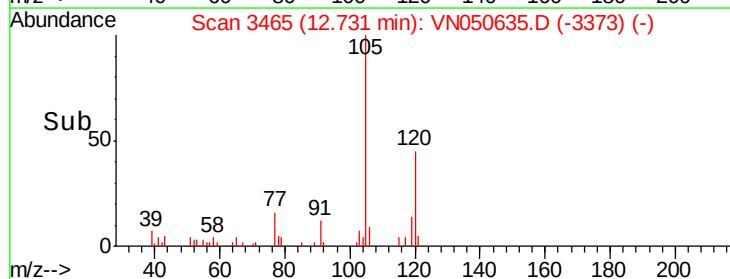
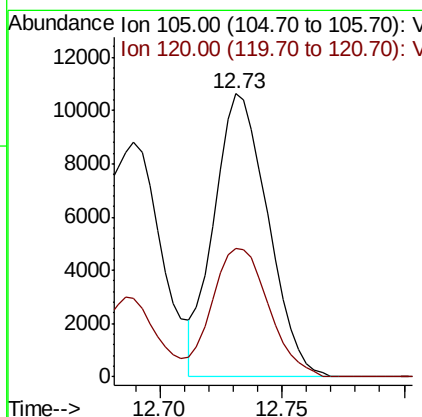
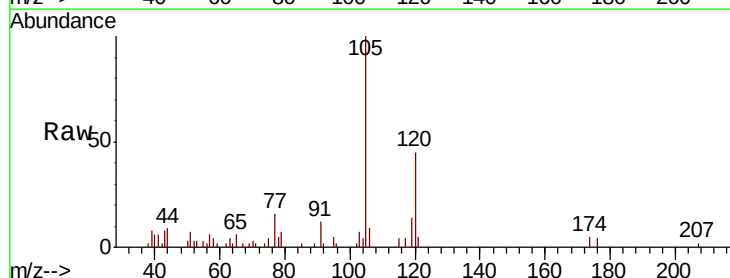
Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-SV28570L

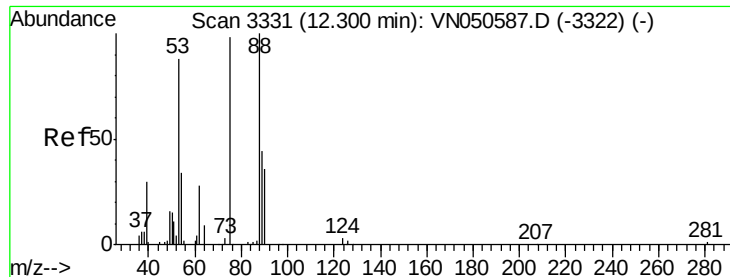
Tgt Ion: 91 Resp: 4744
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.6 52.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.741 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

Tgt Ion: 105 Resp: 16370
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 120.264 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

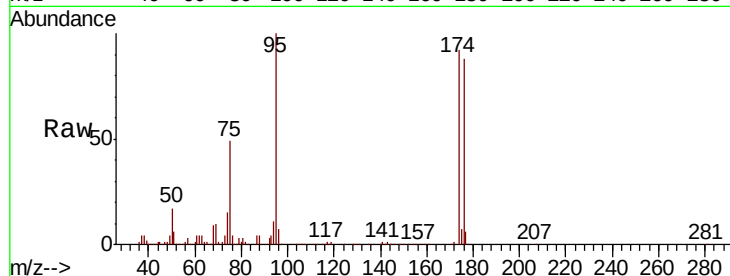
Tgt Ion: 75 Resp: 190948

Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.2#

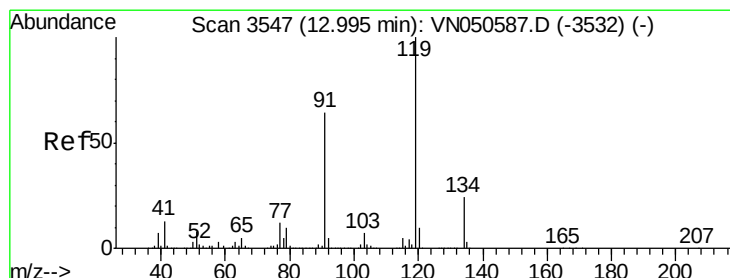
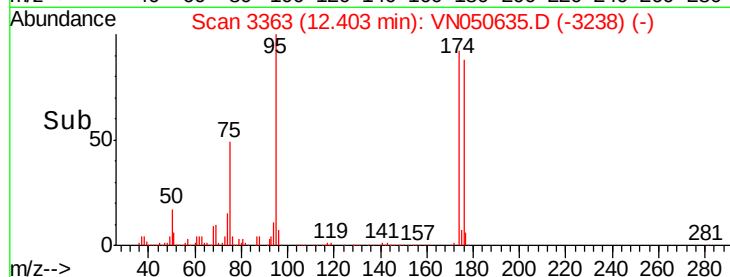
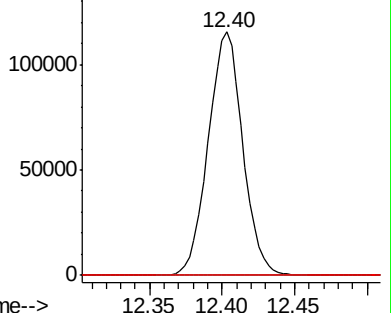
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN050635.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN050635.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN050635.D (-3363) (-)



#83

tert-Butylbenzene

Concen: 0.414 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.04 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

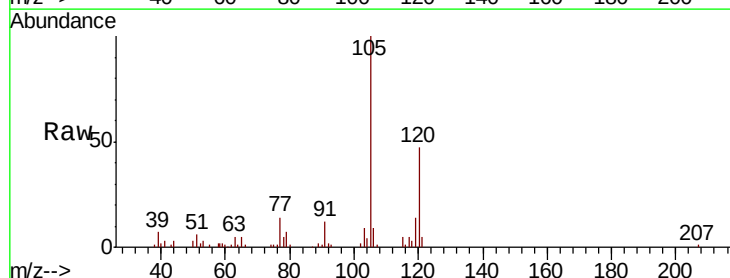
Tgt Ion: 119 Resp: 7934

Ion Ratio Lower Upper

119 100

91 88.6 32.2 96.6

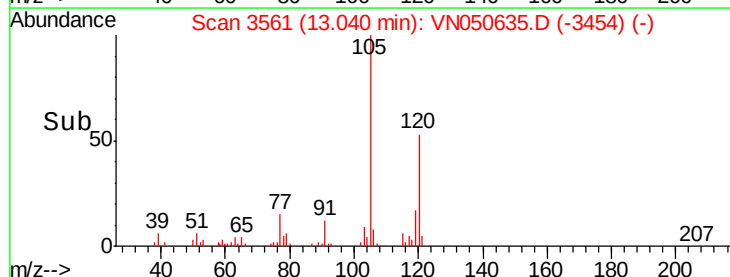
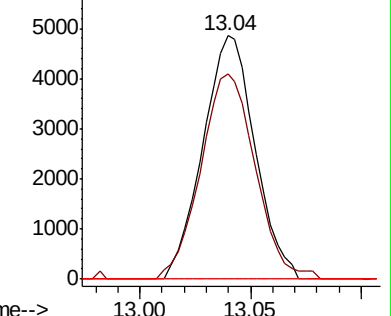
134 0.0 13.4 40.2#

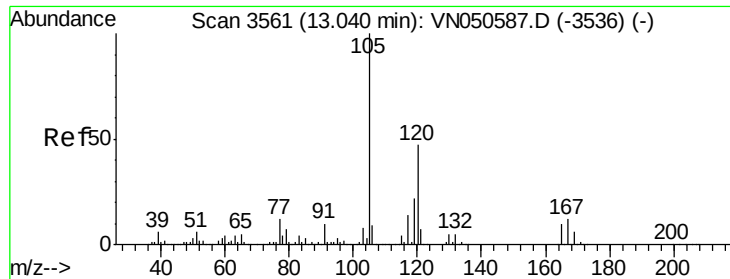


Abundance Ion 119.00 (118.70 to 119.70): VN050635.D (-3561) (-)

Ion 91.00 (90.70 to 91.70): VN050635.D (-3561) (-)

Ion 134.00 (133.70 to 134.70): VN050635.D (-3561) (-)

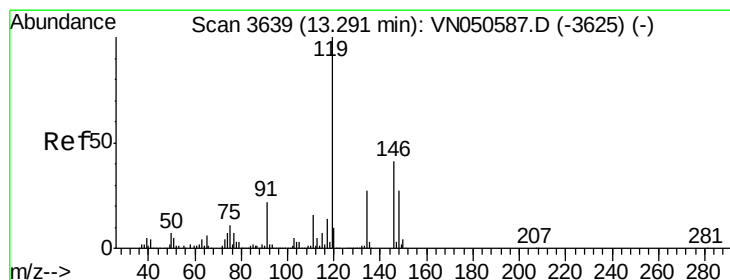
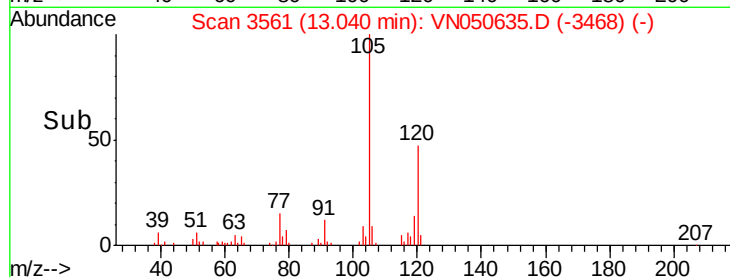
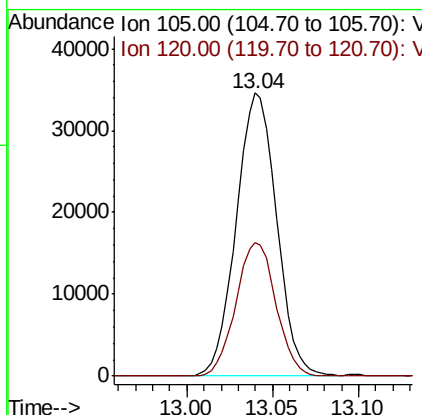
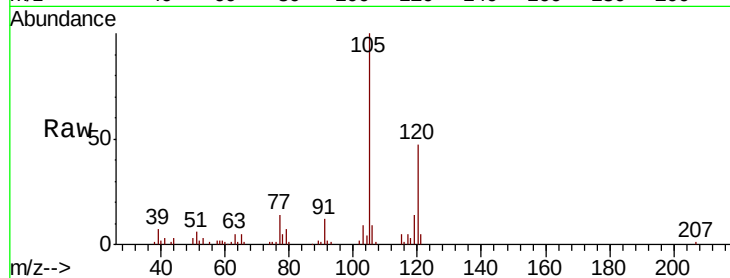




#84
 1,2,4-Trimethylbenzene
 Concen: 2.541 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

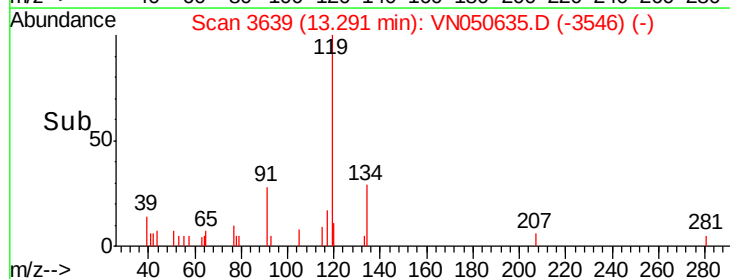
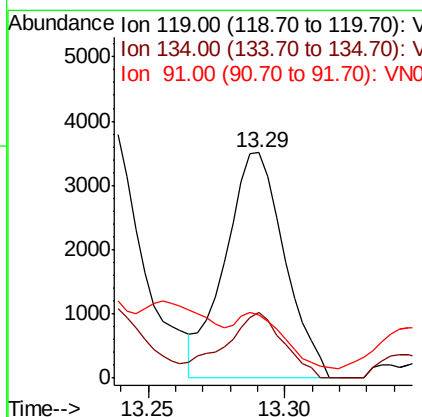
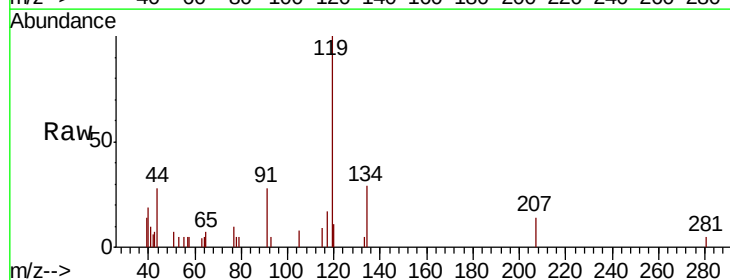
Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-SV28570L

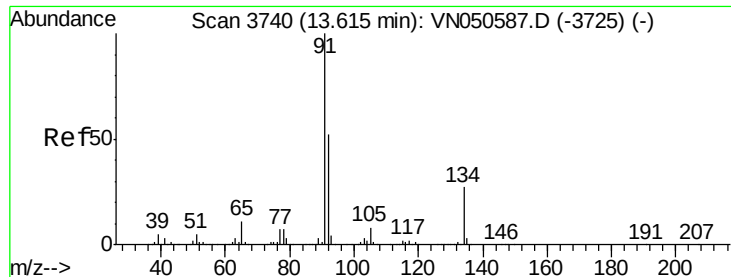
Tgt Ion:105 Resp: 56324
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.5



#86
 p-Isopropyltoluene
 Concen: 0.251 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

Tgt Ion:119 Resp: 5322
 Ion Ratio Lower Upper
 119 100
 134 29.2 13.5 40.4
 91 17.7 11.2 33.6





#89

n-Butylbenzene

Concen: 0.243 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050635.D

Acq: 15 Aug 2018 5:34

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SV28570L

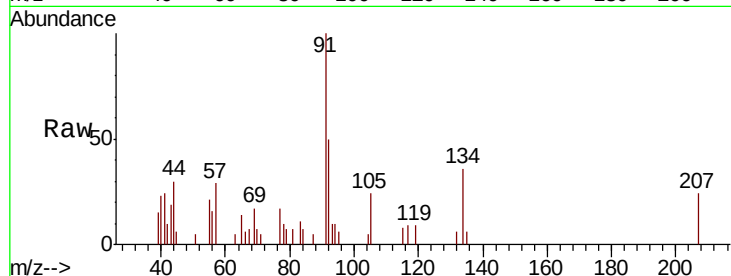
Tgt Ion: 91 Resp: 4164

Ion Ratio Lower Upper

91 100

92 53.5 26.3 78.8

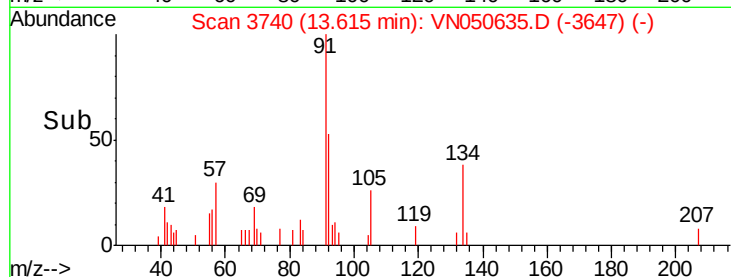
134 0.0 13.3 39.9#



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050587.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050587.D (-3725) (-)

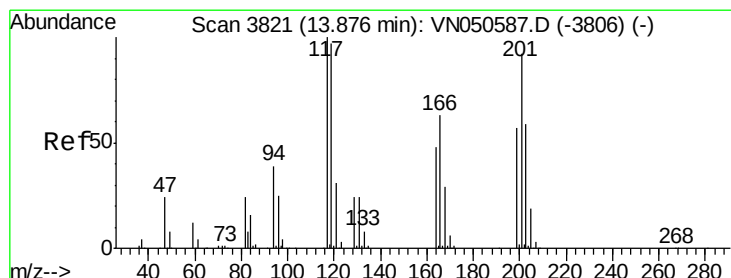


Abundance Ion 91.00 (90.70 to 91.70): VN050635.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN050635.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN050635.D (-3647) (-)

Time-->



#90

Hexachloroethane

Concen: 0.700 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN050635.D

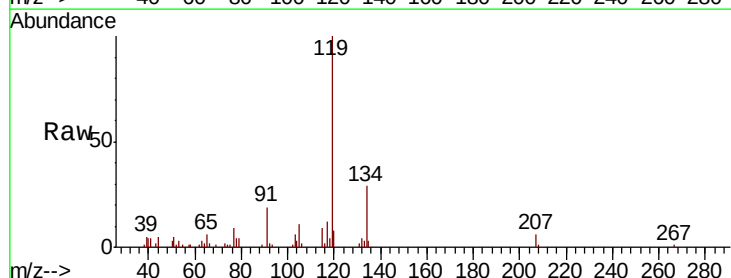
Acq: 15 Aug 2018 5:34

Tgt Ion: 117 Resp: 2987

Ion Ratio Lower Upper

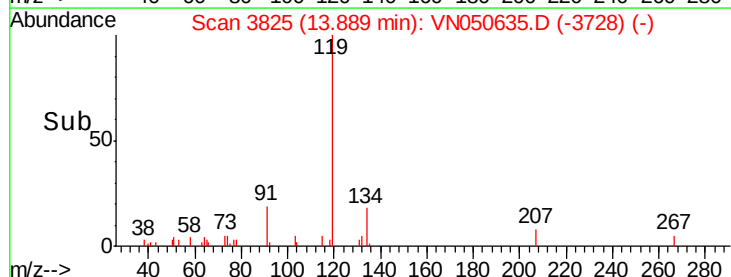
117 100

201 0.0 45.5 136.5#



Abundance Ion 116.80 (116.50 to 117.50): VN050587.D (-3806) (-)

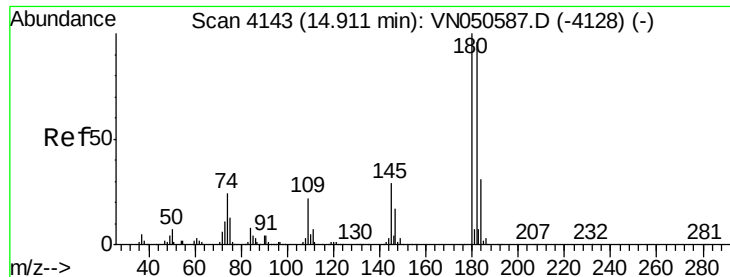
Ion 200.70 (200.40 to 201.40): VN050587.D (-3806) (-)



Abundance Ion 116.80 (116.50 to 117.50): VN050635.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050635.D (-3728) (-)

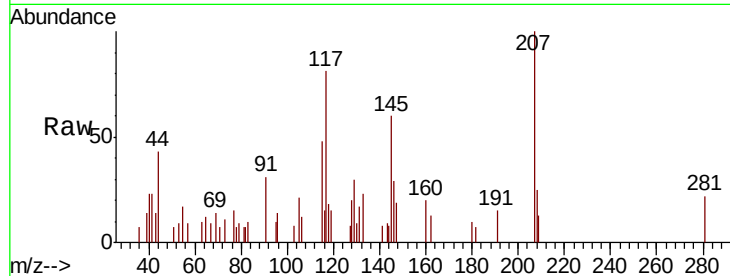
Time-->



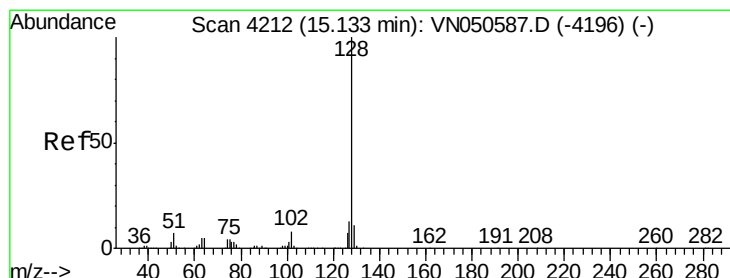
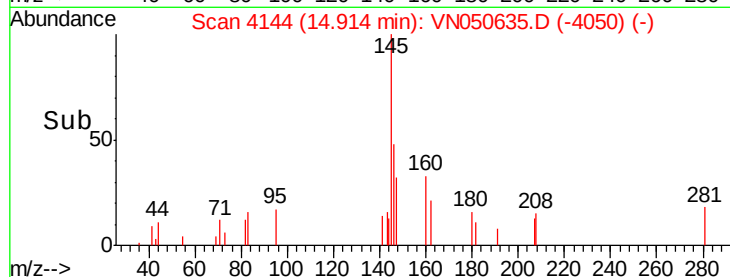
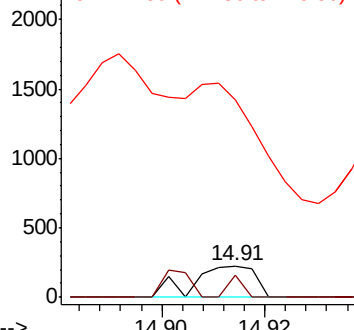
#93
 1,2,4-Trichlorobenzene
 Concen: 2.702 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-SV28570L

Tgt Ion:180 Resp: 186
 Ion Ratio Lower Upper
 180 100
 182 16.1 47.9 143.7#
 145 0.0 14.4 43.4#

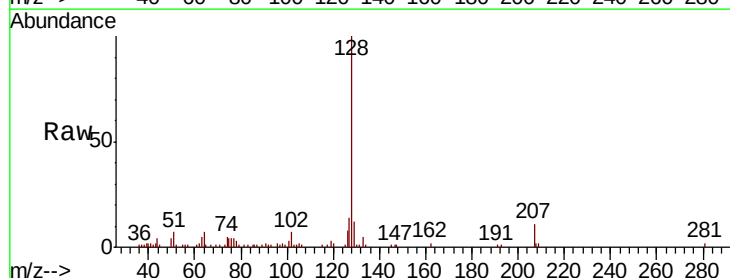


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 6.976 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050635.D
 Acq: 15 Aug 2018 5:34

Tgt Ion:128 Resp: 45836
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.3 15.5
 129 12.5 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

