

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033119\
 Data File : VN054856.D
 Acq On : 31 Mar 2019 17:45
 Operator : JC/SP
 Sample : K2180-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 02:48:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	569730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	928391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	790863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	375502	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	7.59	113	300165	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.09	98	1106270	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.40	95	338872	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	

Target Compounds

					Qvalue	
3) Chloromethane	2.07	50	1654	0.208	ug/l #	80
5) Bromomethane	2.57	94	205	Below Cal	#	2
11) Tert butyl alcohol	5.02	59	232	0.580	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	1894	0.423	ug/l #	90
13) Acrolein	3.61	56	260	0.727	ug/l	96
14) Allyl chloride	4.50	41	7389653	669.902	ug/l #	22
16) Acetone	3.83	43	7509	4.100	ug/l #	71
18) Methyl Acetate	4.50	43	818261	173.810	ug/l	90
21) trans-1,2-Dichloroethene	5.03	96	5180	0.881	ug/l	92
28) Bromochloromethane	7.21	49	10154	1.745	ug/l #	35
29) Tetrahydrofuran	7.22	42	760	0.404	ug/l #	41
30) Chloroform	7.38	83	4805	0.433	ug/l	86
31) Cyclohexane	7.66	56	12474	Below Cal	#	30
36) 1,1-Dichloropropene	7.66	75	43020	4.973	ug/l #	47
38) Carbon Tetrachloride	7.67	117	52295	6.224	ug/l #	16
43) Isopropyl Acetate	8.17	43	17810	1.728	ug/l #	93
47) Bromodichloromethane	9.41	83	1678	0.203	ug/l #	88
48) Methyl methacrylate	9.18	41	8757	1.567	ug/l #	11
51) 4-Methyl-2-Pentanone	10.02	43	9609	1.658	ug/l #	36
52) Toluene	10.16	92	6892	0.468	ug/l	92
54) cis-1,3-Dichloropropene	9.90	75	61517	6.634	ug/l #	69
57) 1,3-Dichloropropane	10.76	76	12771	1.356	ug/l #	43
59) 2-Hexanone	10.77	43	200564	54.061	ug/l #	47
68) m/p-Xylenes	11.62	106	6848	0.662	ug/l	90
69) o-Xylene	11.95	106	3340	0.329	ug/l	92
71) Bromoform	12.40	173	3296	0.971	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.39	83	315	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	179499	36.043	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7938	0.413	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.40	75	179499	140.199	ug/l #	11
83) tert-Butylbenzene	12.99	119	195	Below Cal	#	28
84) 1,2,4-Trimethylbenzene	13.04	105	21793	1.190	ug/l	99
85) sec-Butylbenzene	13.04	105	21793	1.043	ug/l #	55
95) Naphthalene	15.13	128	18370	1.778	ug/l	98

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

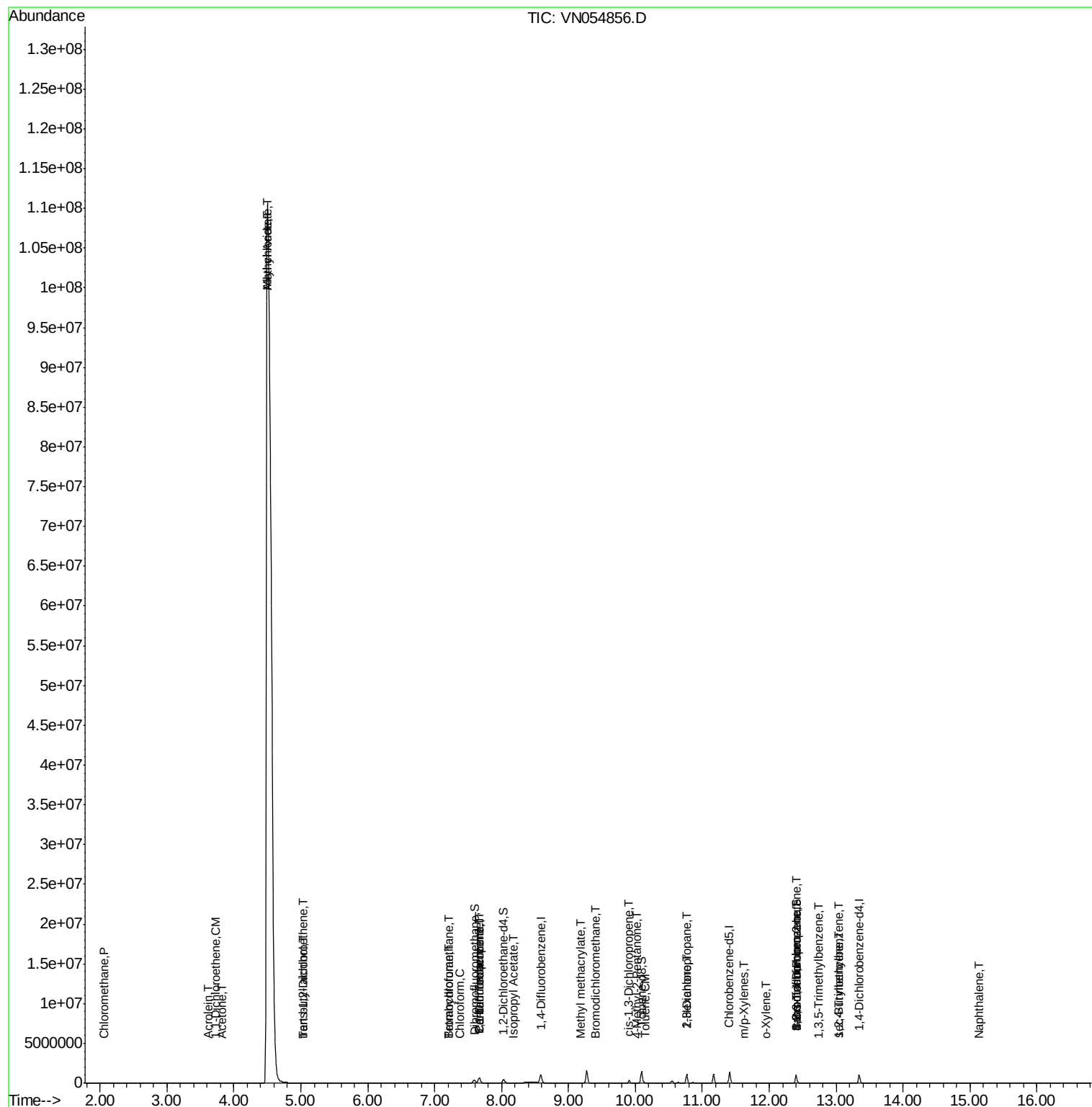
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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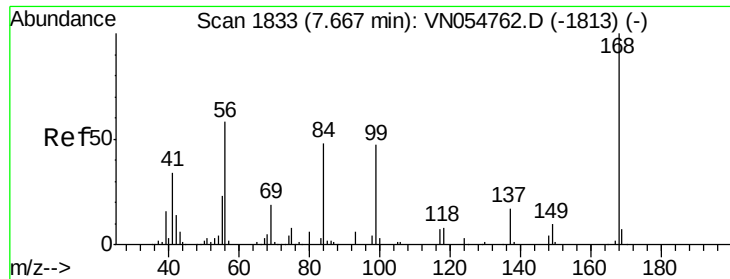
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033119\
Data File : VN054856.D
Acq On : 31 Mar 2019 17:45
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Sample : K2180-12
Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Apr 01 02:48:37 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

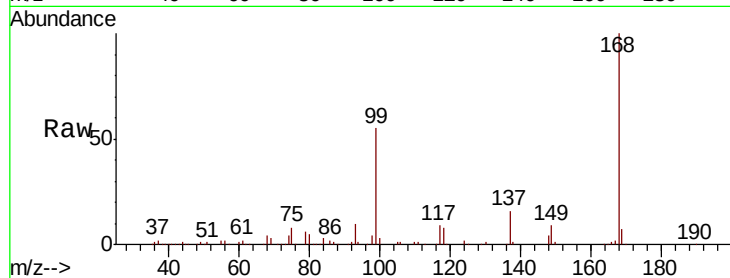
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 569730

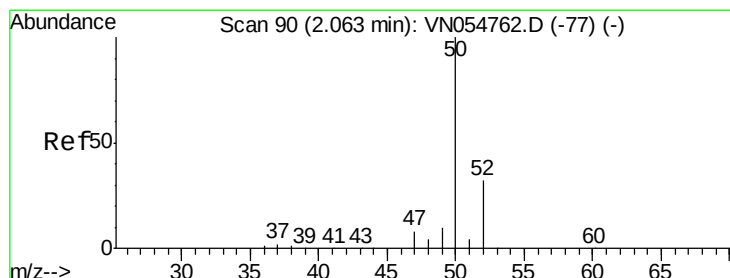
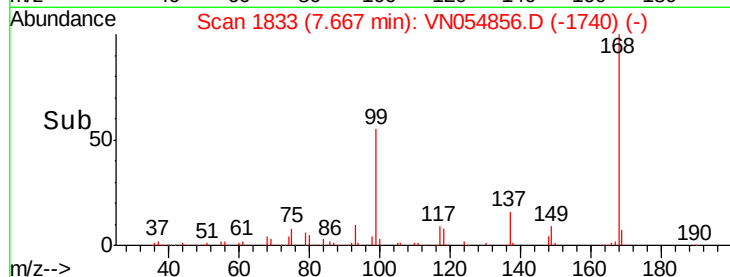
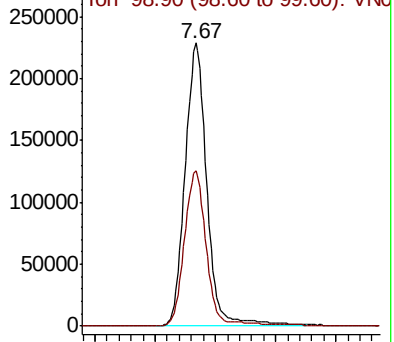
Ion Ratio Lower Upper

168 100

99 54.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054856.D (-1740) (-)



#3

Chloromethane

Concen: 0.208 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054856.D

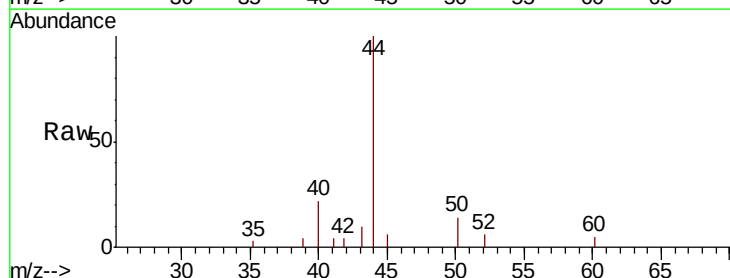
Acq: 31 Mar 2019 17:45

Tgt Ion: 50 Resp: 1654

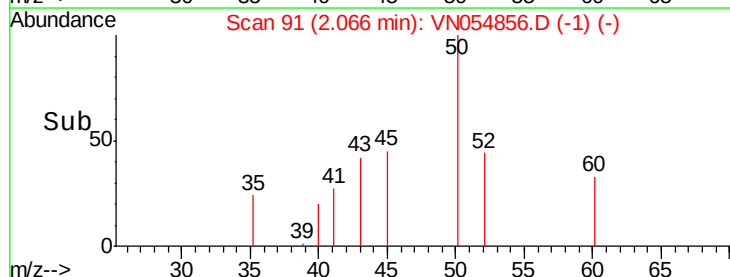
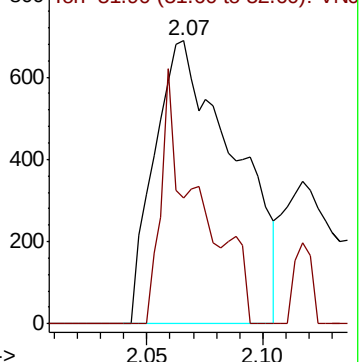
Ion Ratio Lower Upper

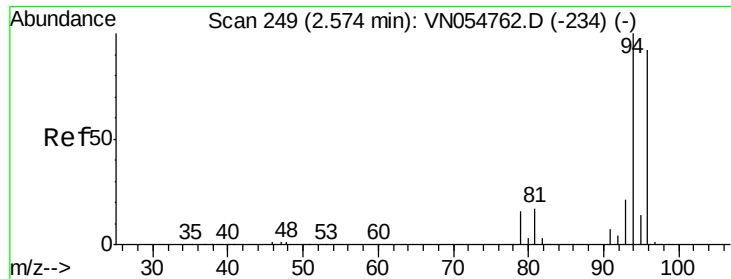
50 100

52 44.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VN054856.D (-1) (-)





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

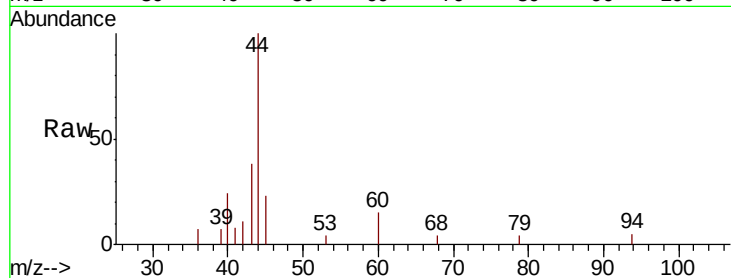
ClientSampled :

Tot Ion: 94 Resp: 205

Ion Ratio Lower Upper

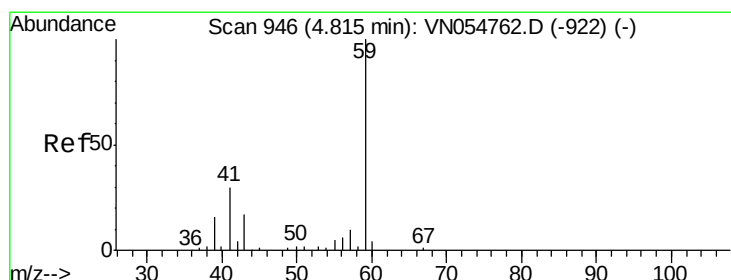
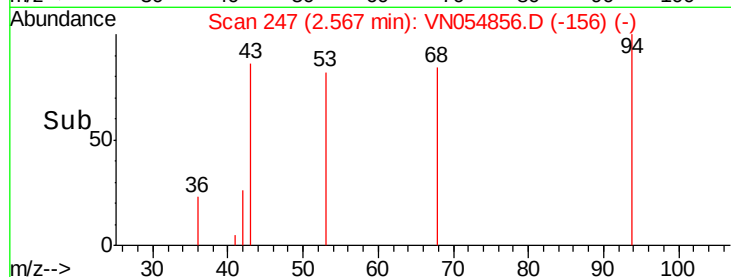
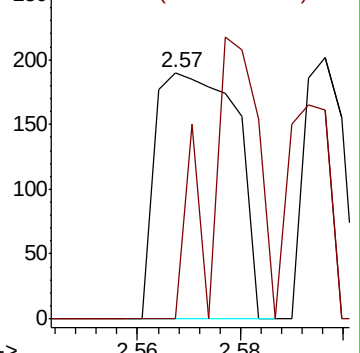
94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.580 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.21 min

Lab File: VN054856.D

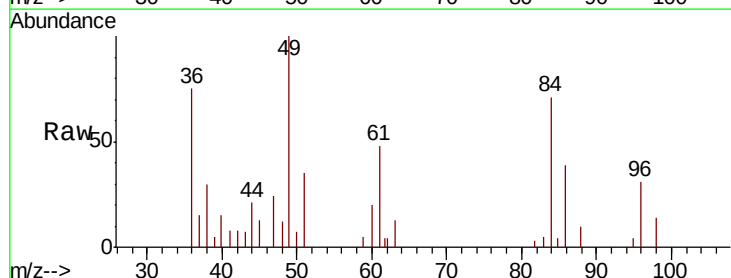
Acq: 31 Mar 2019 17:45

Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

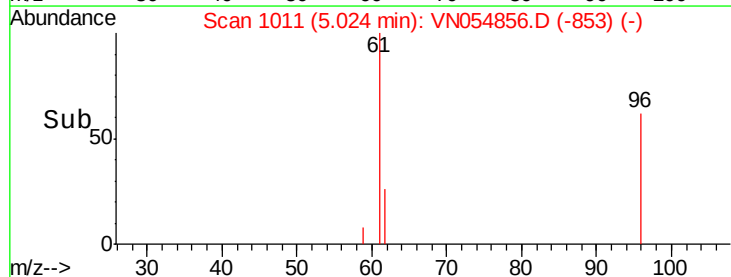
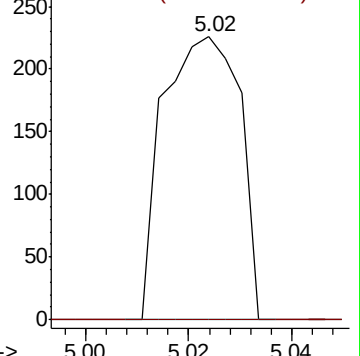
59 100

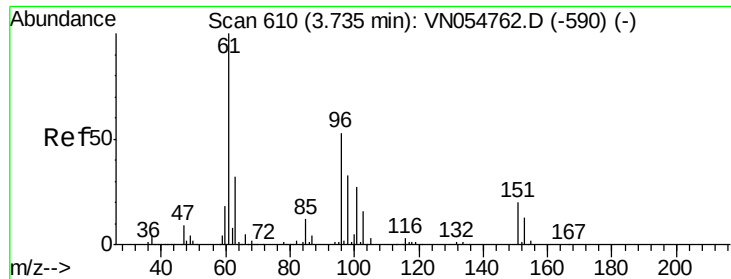
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#12

1,1-Dichloroethene

Concen: 0.423 ug/l

RT: 3.73 min Scan# 608

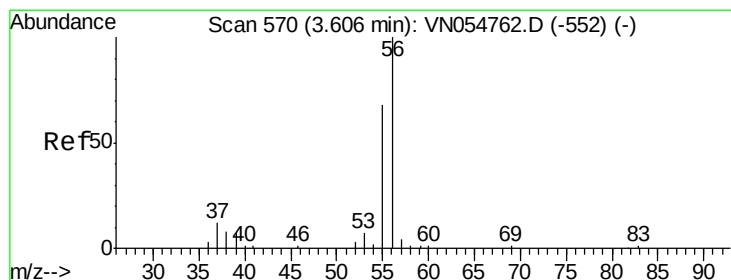
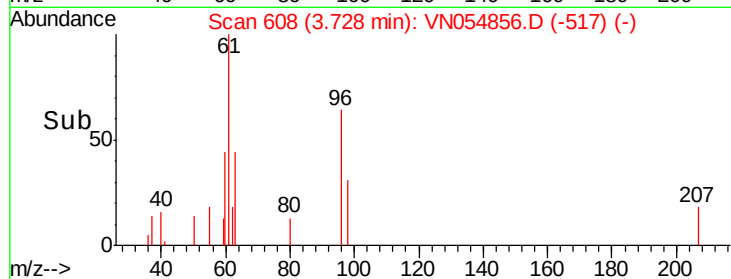
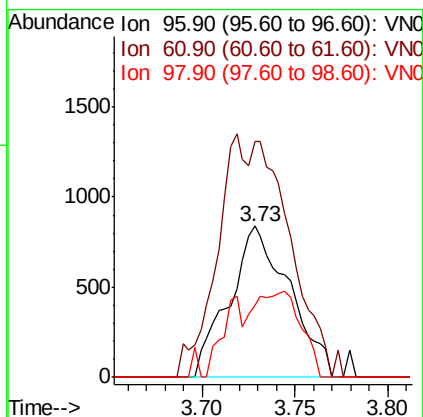
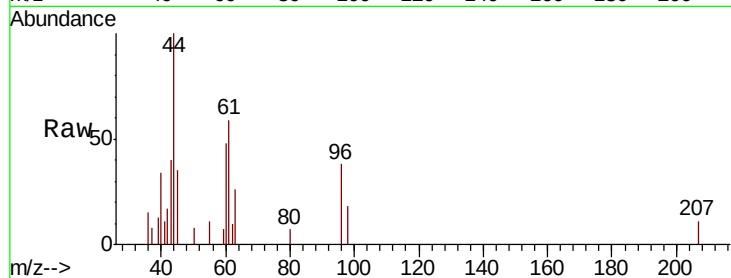
Delta R.T. -0.01 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 1894
Ion Ratio Lower Upper
96 100
61 138.5 116.5 174.7
98 47.8 51.0 76.4#



#13

Acrolein

Concen: 0.727 ug/l

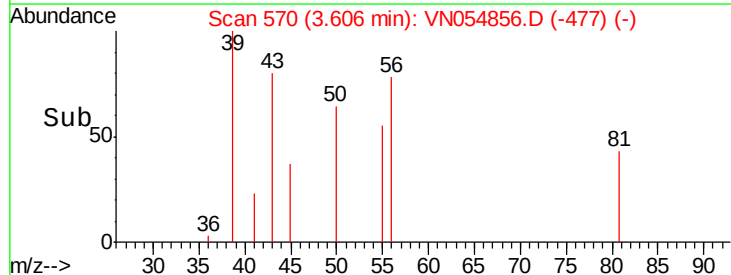
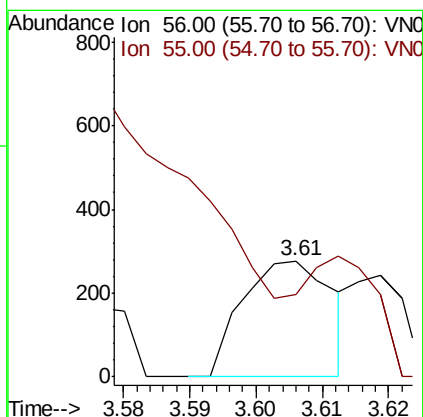
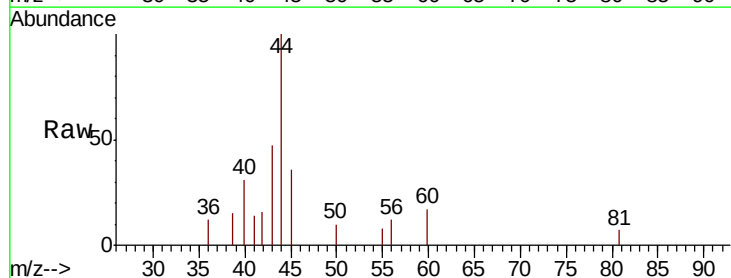
RT: 3.61 min Scan# 570

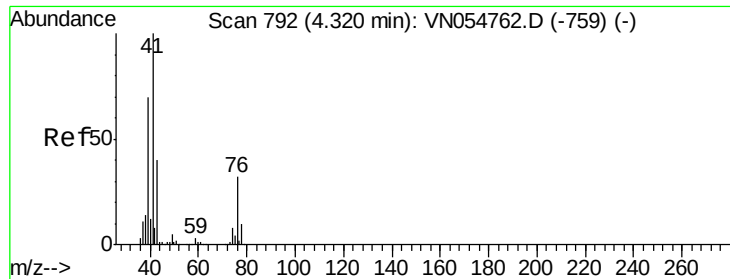
Delta R.T. -0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 74.6 56.7 85.1

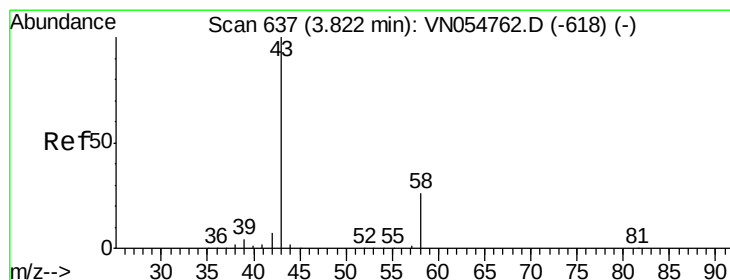
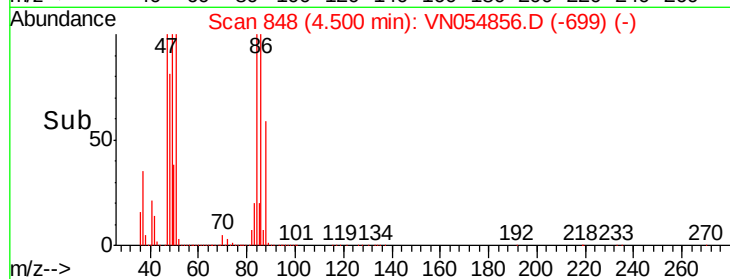
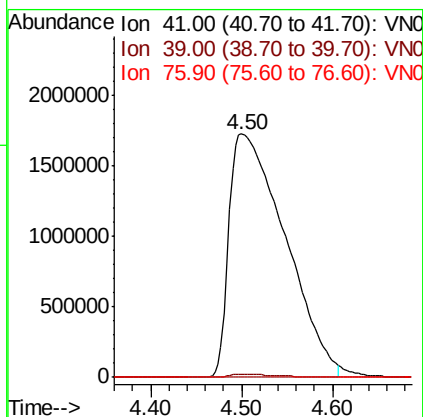
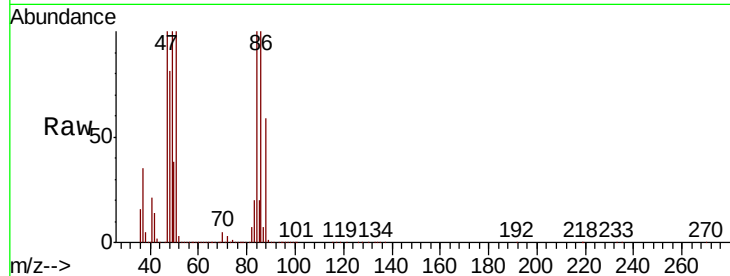




#14
Allvl chloride
Concen: 669.902 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.18 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

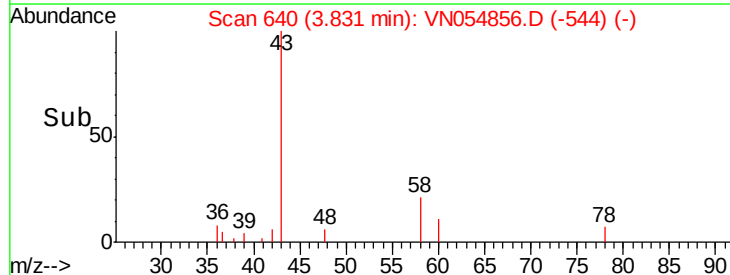
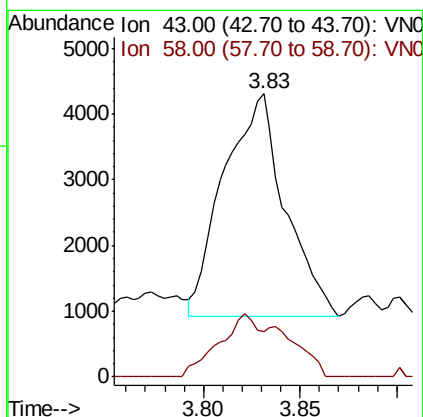
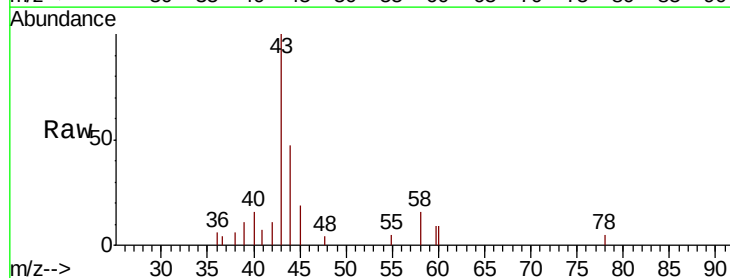
Instrument :
MSVOA_N
ClientSampleId :

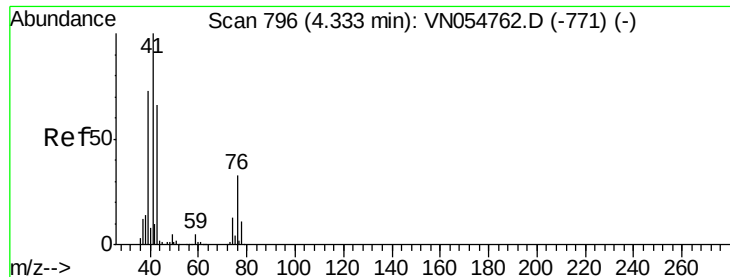
Tot Ion: 41 Resp: 7389653
Ion Ratio Lower Upper
41 100
39 1.1 58.2 87.4#
76 0.0 31.7 47.5#



#16
Acetone
Concen: 4.100 ug/l
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

Tgt Ion: 43 Resp: 7509
Ion Ratio Lower Upper
43 100
58 20.3 29.9 44.9#

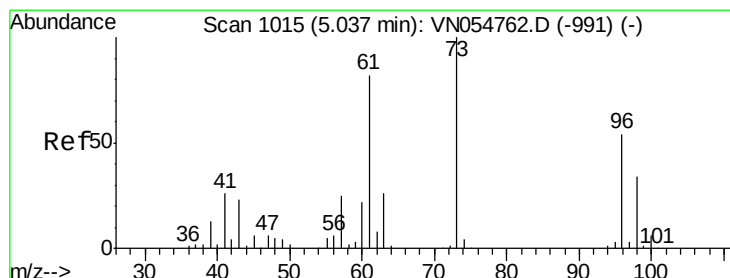
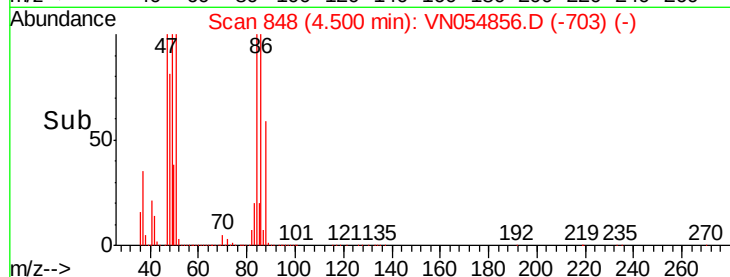
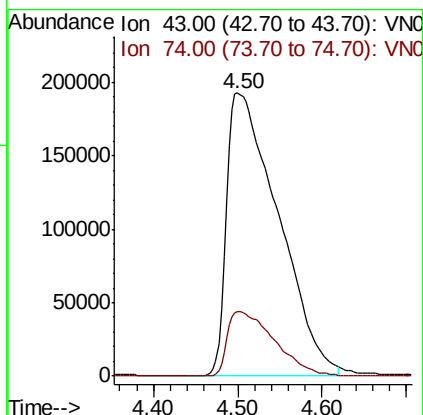
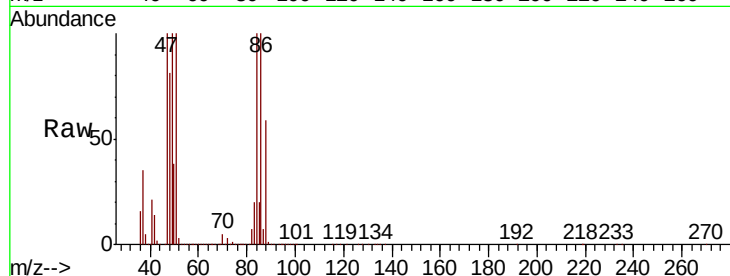




#18
Methyl Acetate
Concen: 173.810 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.17 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

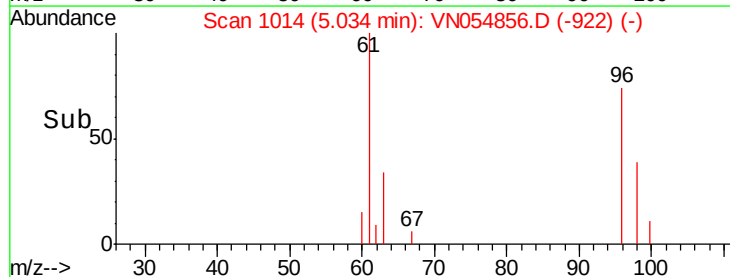
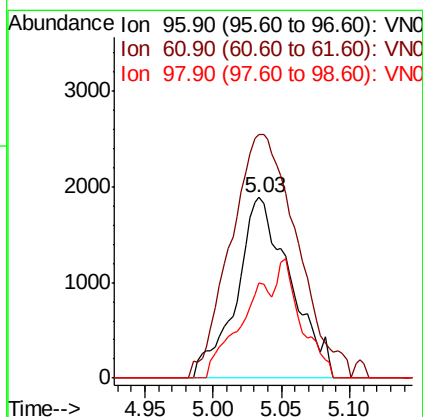
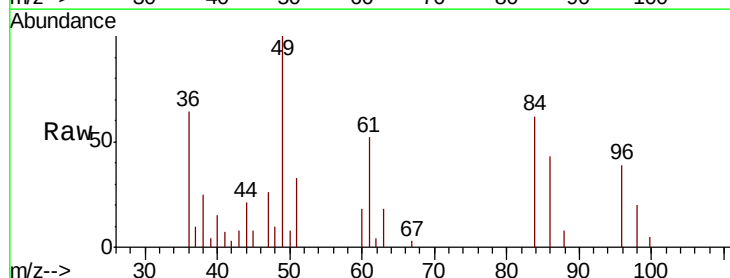
Instrument :
MSVOA_N
ClientSampled :

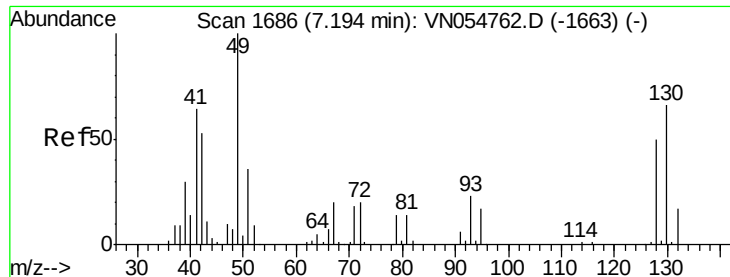
Tot Ion: 43 Resp: 818261
Ion Ratio Lower Upper
43 100
74 21.0 20.8 31.2



#21
trans-1,2-Dichloroethene
Concen: 0.881 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

Tgt Ion: 96 Resp: 5180
Ion Ratio Lower Upper
96 100
61 134.5 102.8 154.2
98 53.0 50.0 75.0





#28

Bromochloromethane

Concen: 1.745 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.02 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :
MSVOA_N
ClientSampled :

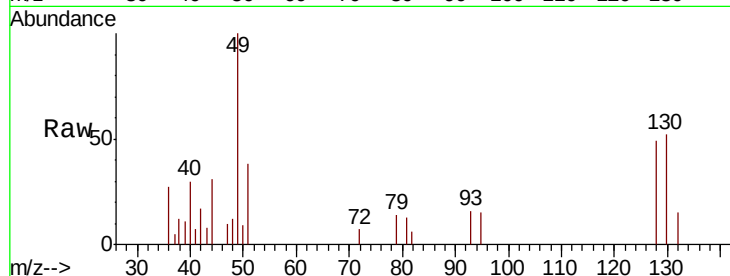
Tot Ion: 49 Resp: 10154

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

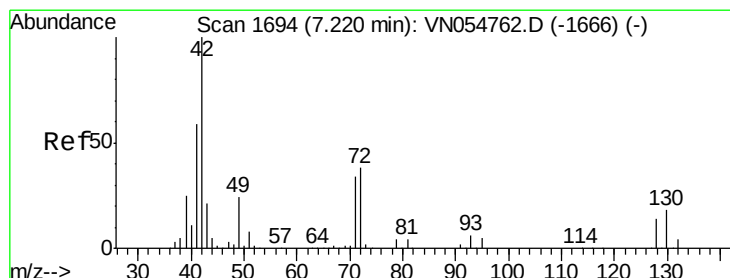
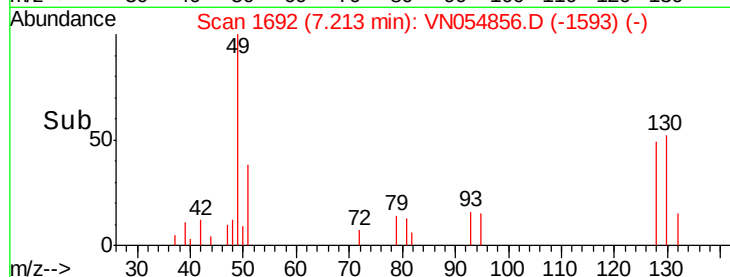
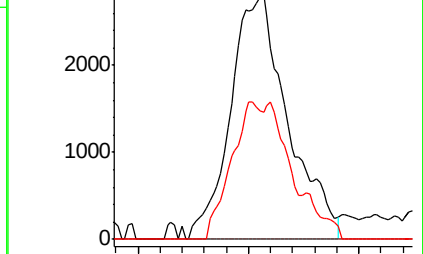
130 30.8 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN054762.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN054762.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054762.D (-1663) (-)



#29

Tetrahydrofuran

Concen: 0.404 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

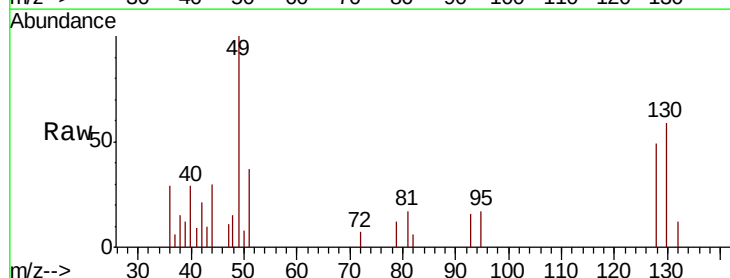
Tgt Ion: 42 Resp: 760

Ion Ratio Lower Upper

42 100

72 13.7 37.8 56.6#

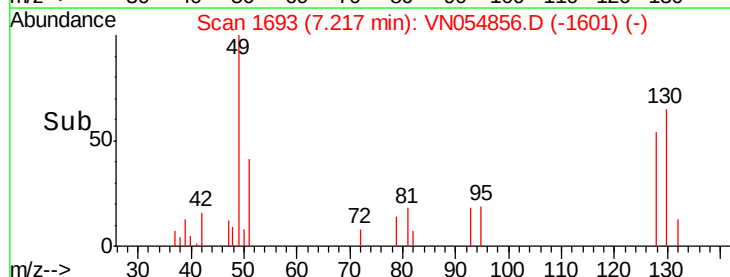
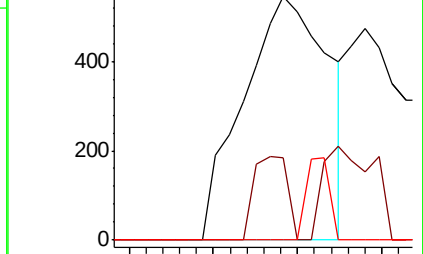
71 0.0 36.2 54.2#

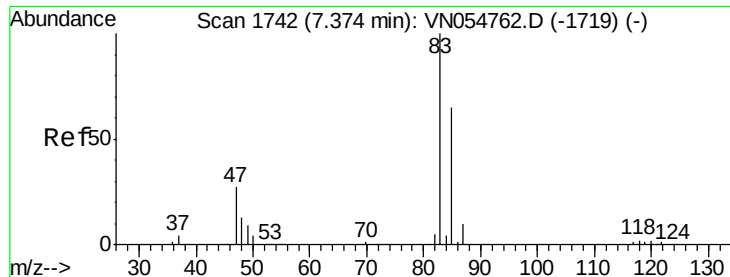


Abundance Ion 42.00 (41.70 to 42.70): VN054762.D (-1666) (-)

Ion 72.00 (71.70 to 72.70): VN054762.D (-1666) (-)

Ion 71.00 (70.70 to 71.70): VN054762.D (-1666) (-)

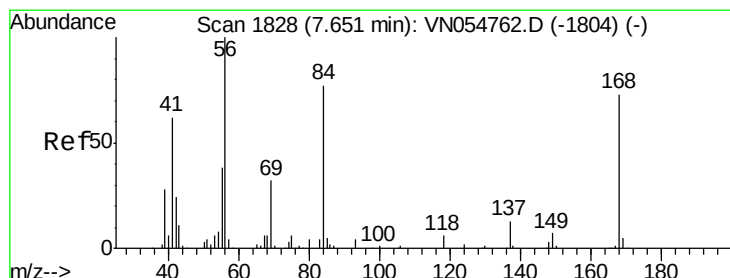
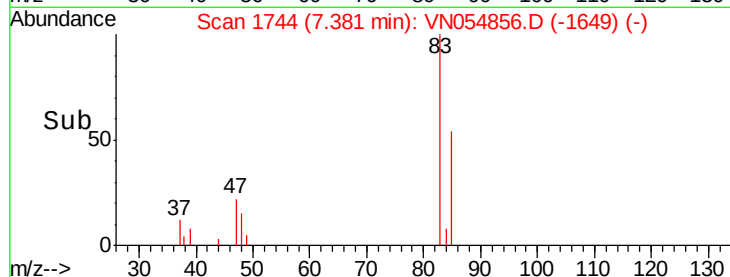
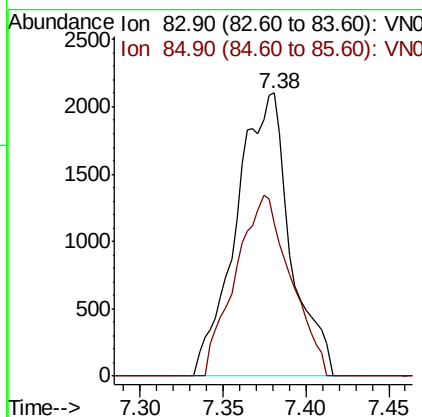
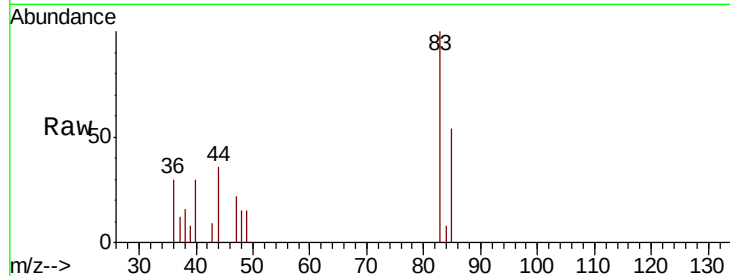




#30
Chloroform
Concen: 0.433 ug/l
RT: 7.38 min Scan# 1744
Delta R.T. 0.01 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

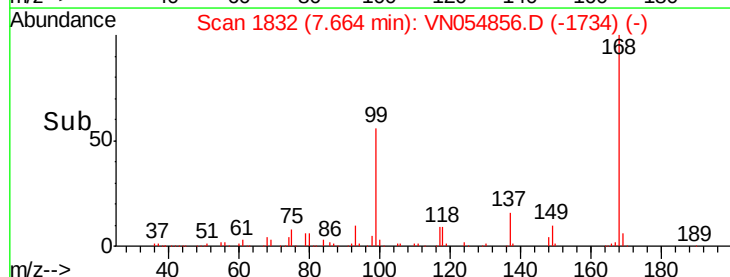
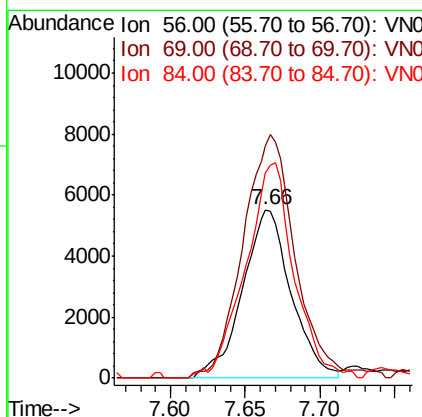
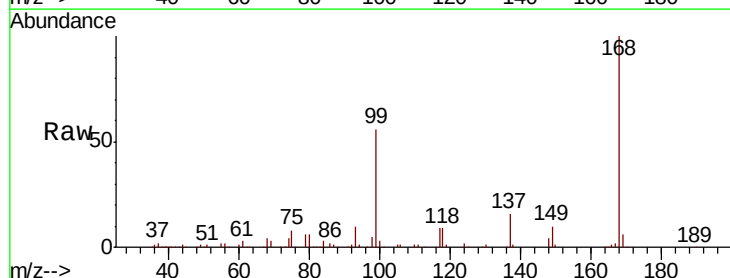
Instrument :
MSVOA_N
ClientSampleId :

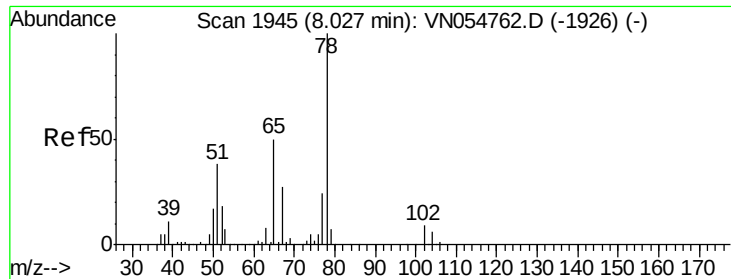
Tot Ion: 83 Resp: 4805
Ion Ratio Lower Upper
83 100
85 54.2 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

Tgt Ion: 56 Resp: 12474
Ion Ratio Lower Upper
56 100
69 138.0 27.8 41.6#
84 121.6 74.6 111.8#

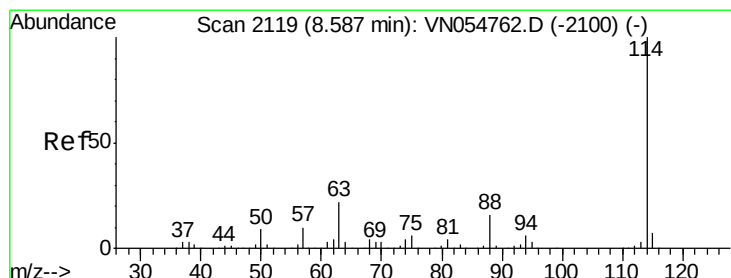
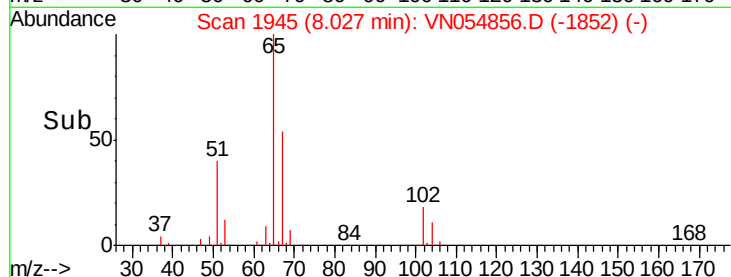
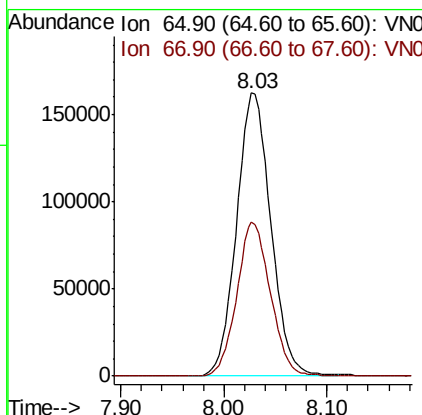
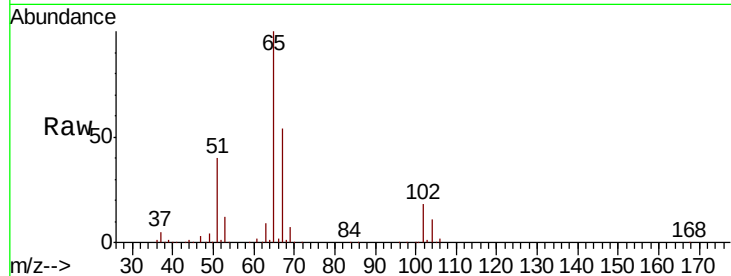




#33
 1,2-Dichloroethane-d4
 Concen: 48.893 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

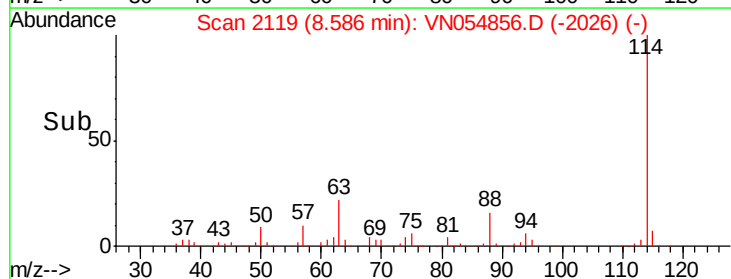
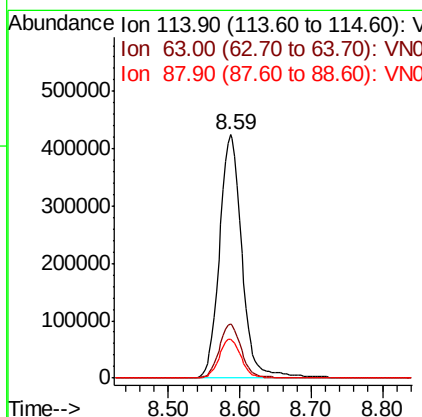
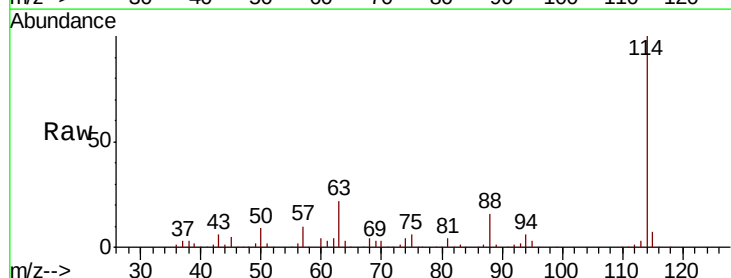
Instrument :
 MSVOA_N
 ClientSampleId :

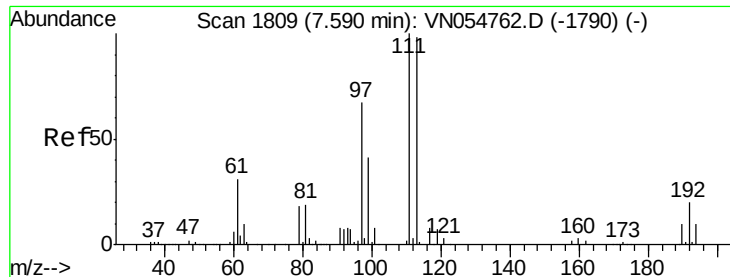
Tot Ion: 65 Resp: 375502
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

Tgt Ion: 114 Resp: 928391
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 35.2
 88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.496 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

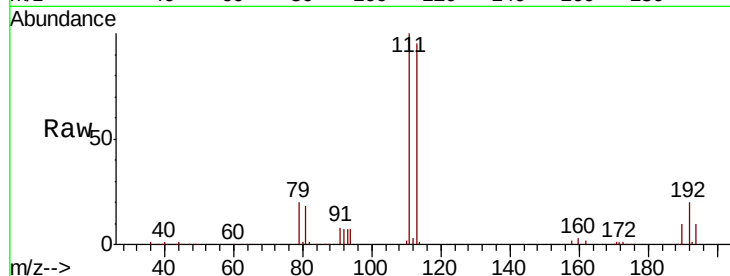
Tot Ion:113 Resp: 300165

Ion Ratio Lower Upper

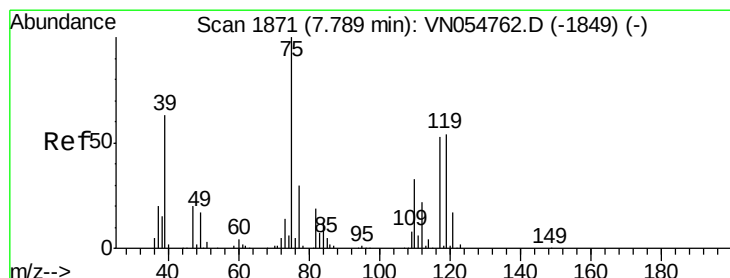
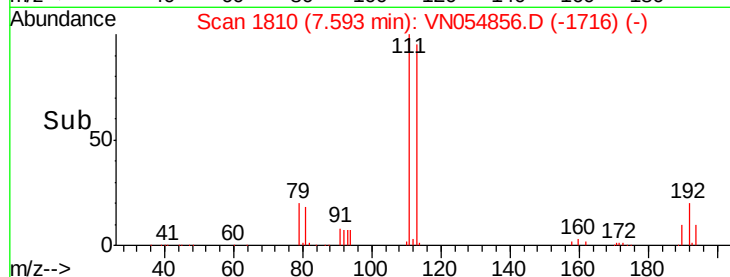
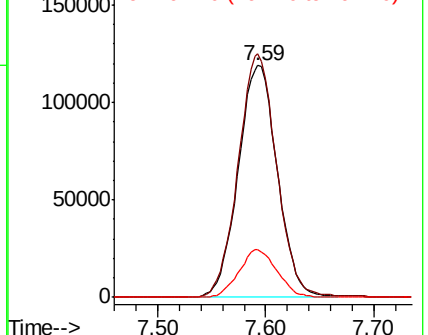
113 100

111 103.5 82.2 123.4

192 20.1 19.2 28.8



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: 4.973 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

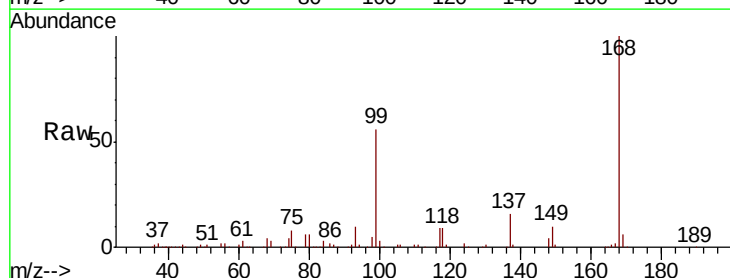
Tgt Ion: 75 Resp: 43020

Ion Ratio Lower Upper

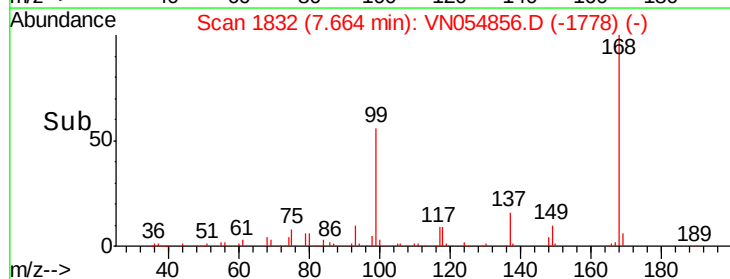
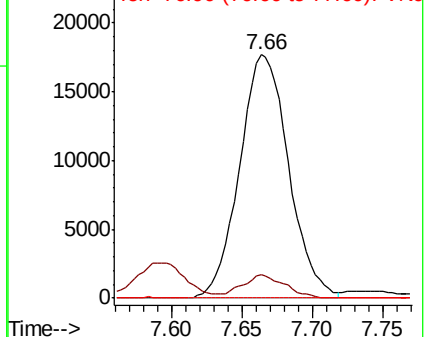
75 100

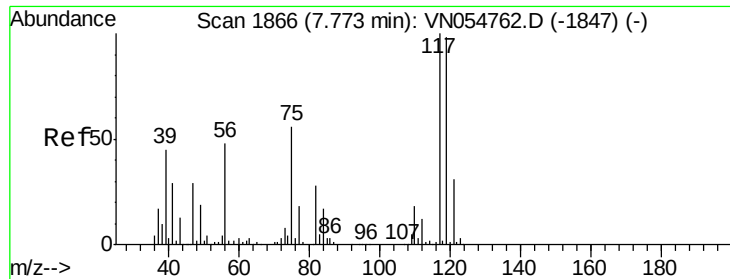
110 8.4 19.1 57.5#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.224 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

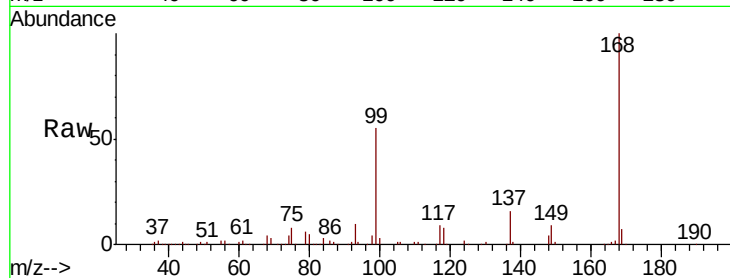
Tot Ion:117 Resp: 52295

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

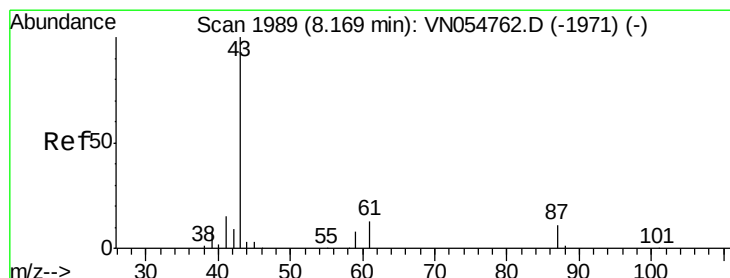
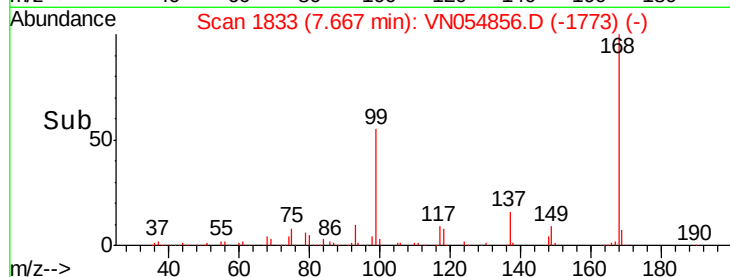
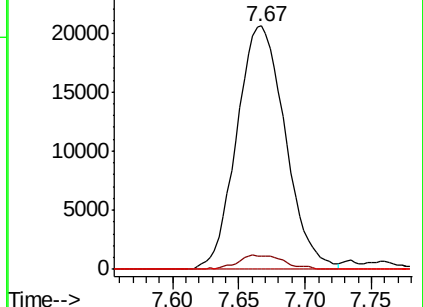
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.728 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

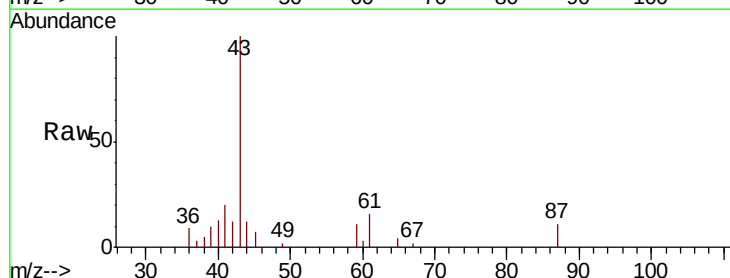
Tgt Ion: 43 Resp: 17810

Ion Ratio Lower Upper

43 100

61 18.3 15.8 23.8

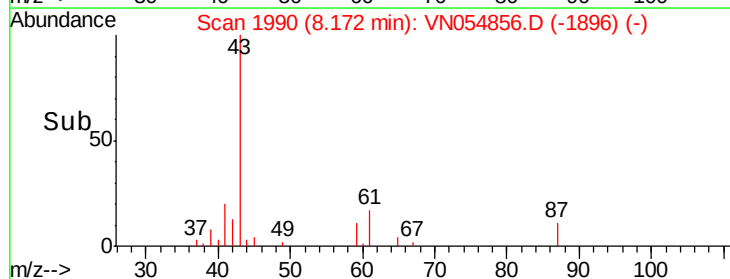
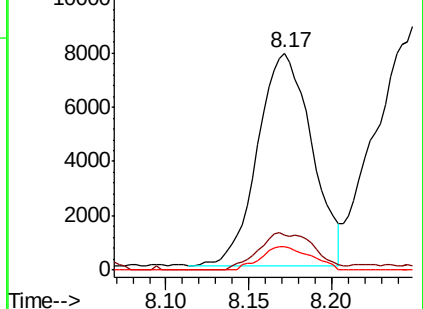
87 10.1 12.0 18.0#

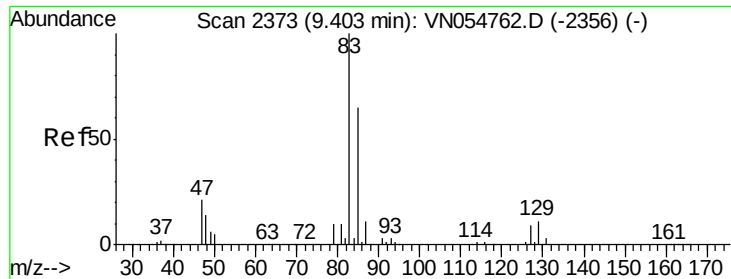


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.203 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

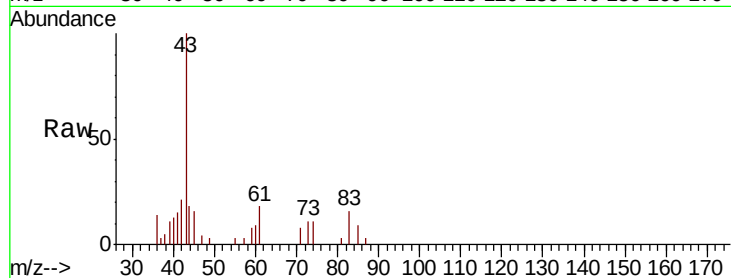
Tot Ion: 83 Resp: 1678

Ion Ratio Lower Upper

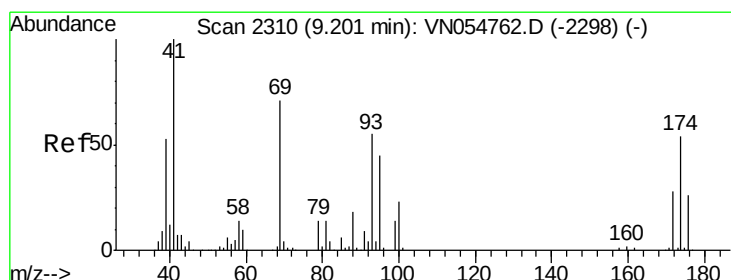
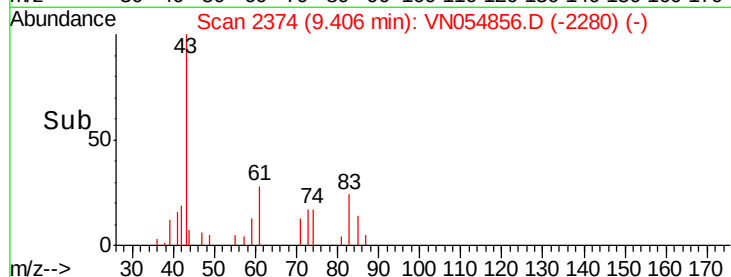
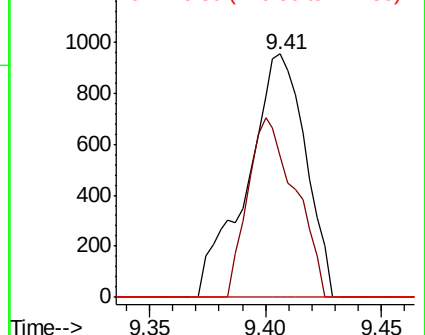
83 100

85 58.1 52.8 79.2

127 0.0 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 1.567 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

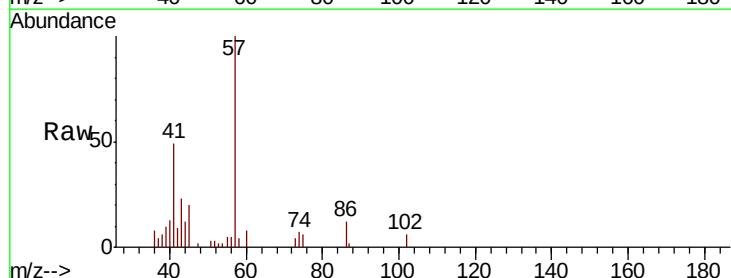
Tgt Ion: 41 Resp: 8757

Ion Ratio Lower Upper

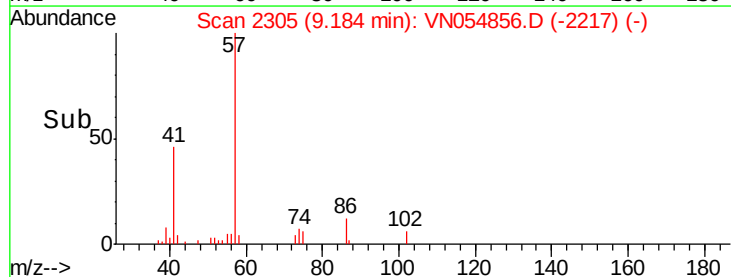
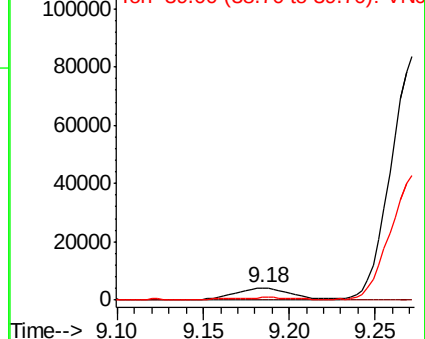
41 100

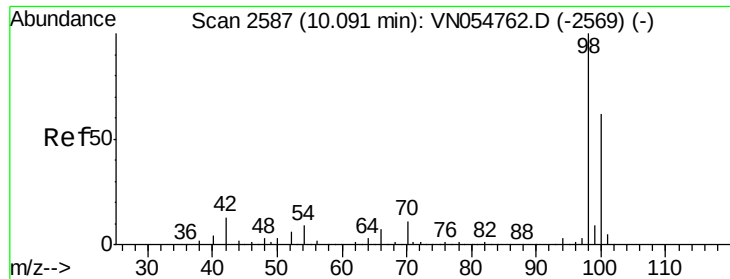
69 0.0 72.6 108.8#

39 0.0 47.5 71.3#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 48.075 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

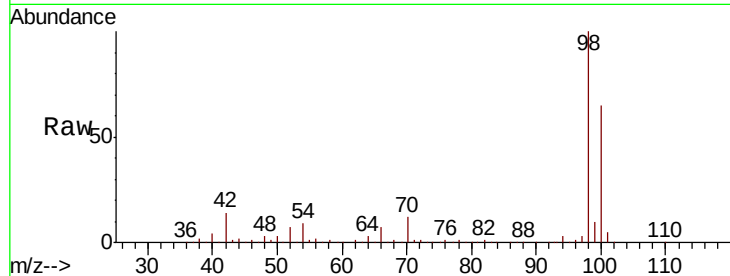
ClientSampled :

Tot Ion: 98 Resp: 1106270

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

600000

500000

400000

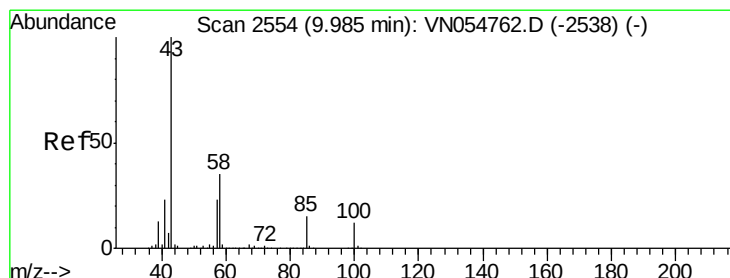
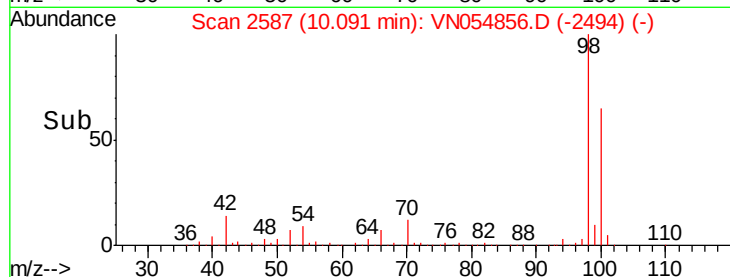
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.658 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054856.D

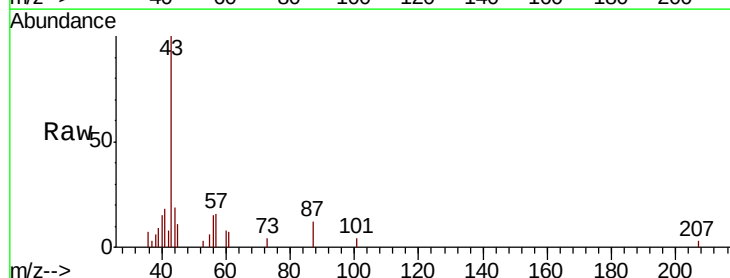
Acq: 31 Mar 2019 17:45

Tgt Ion: 43 Resp: 9609

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.02

8000

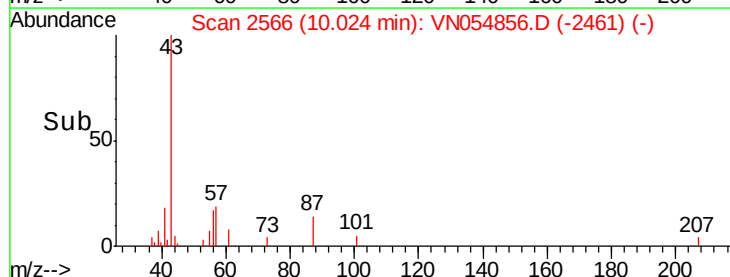
6000

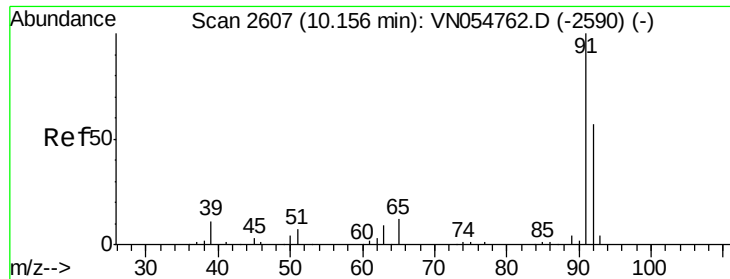
4000

2000

0

Time-->





#52

Toluene

Concen: 0.468 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

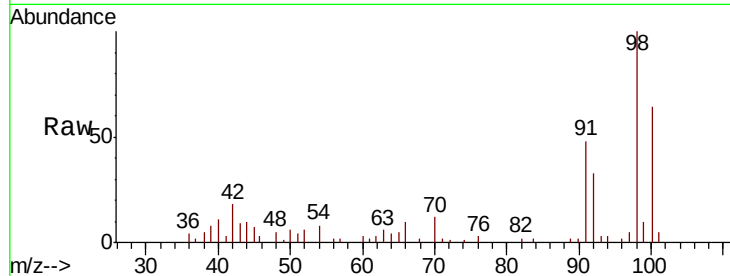
ClientSampleId :

Tot Ion: 92 Resp: 6892

Ion Ratio Lower Upper

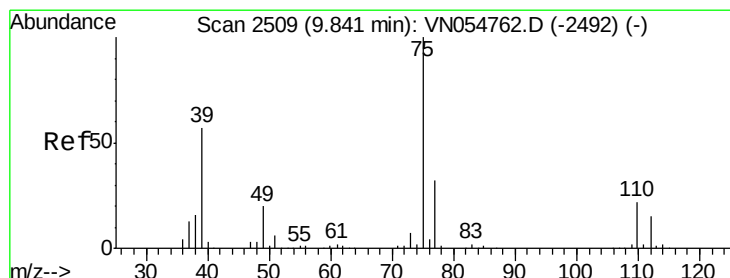
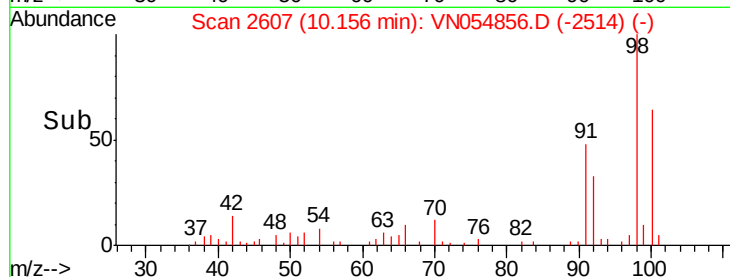
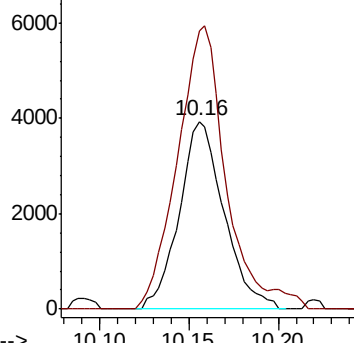
92 100

91 164.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.634 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

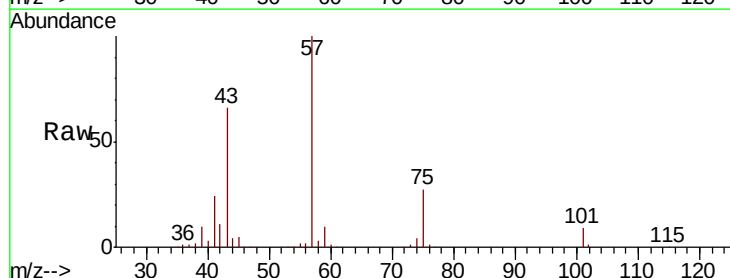
Tgt Ion: 75 Resp: 61517

Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.0#

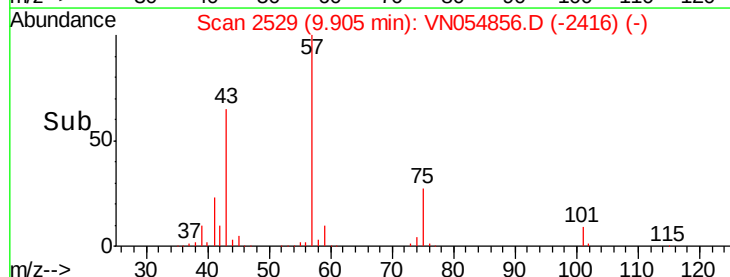
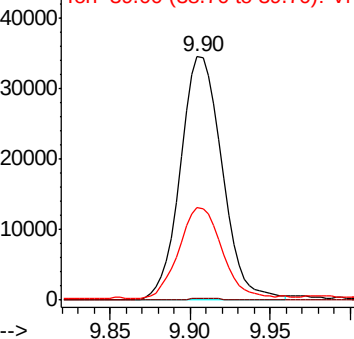
39 37.1 37.2 55.8#

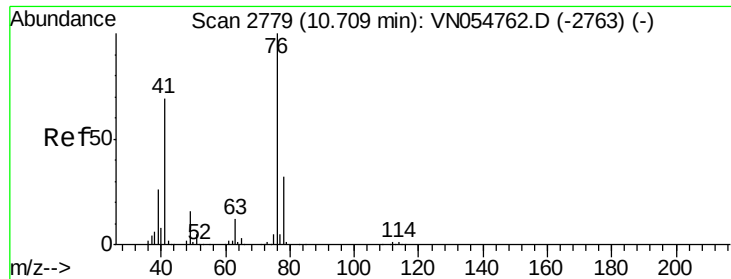


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.356 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

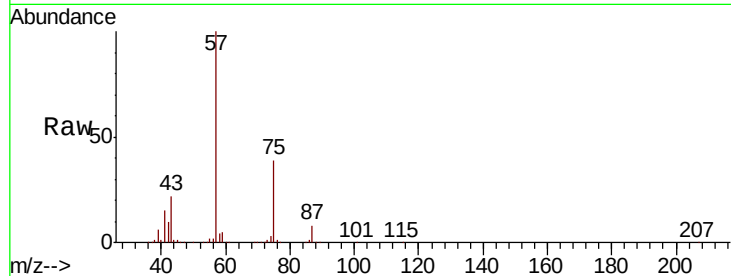
ClientSampled :

Tot Ion: 76 Resp: 12771

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.76

8000

6000

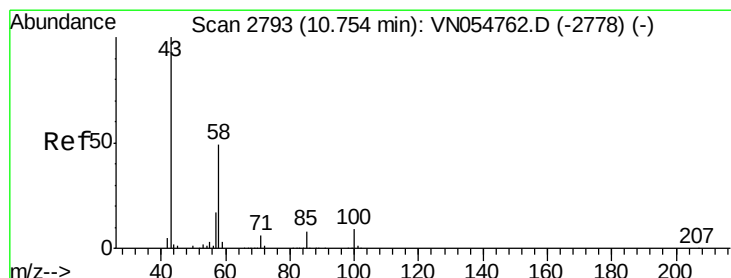
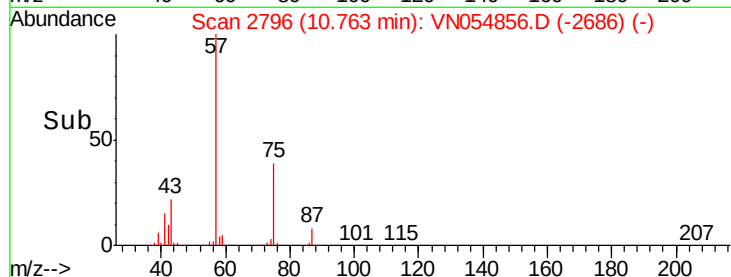
4000

2000

0

Time-->

10.70 10.75 10.80 10.85



#59

2-Hexanone

Concen: 54.061 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054856.D

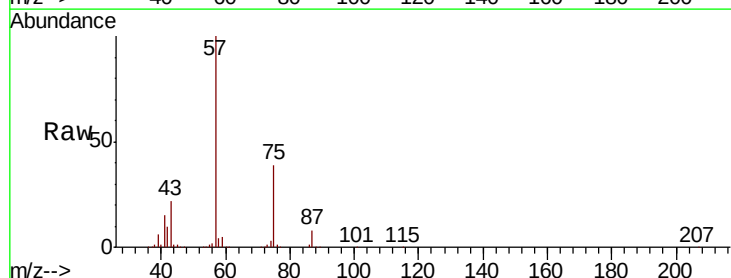
Acq: 31 Mar 2019 17:45

Tgt Ion: 43 Resp: 200564

Ion Ratio Lower Upper

43 100

58 17.3 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.77

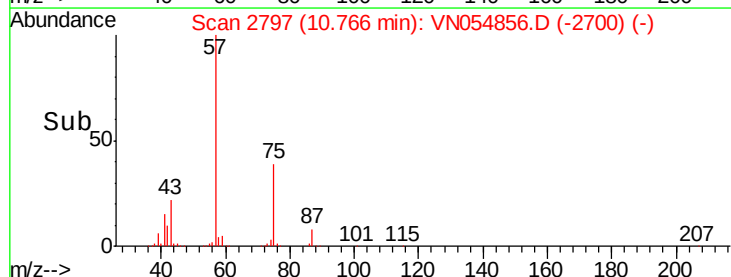
100000

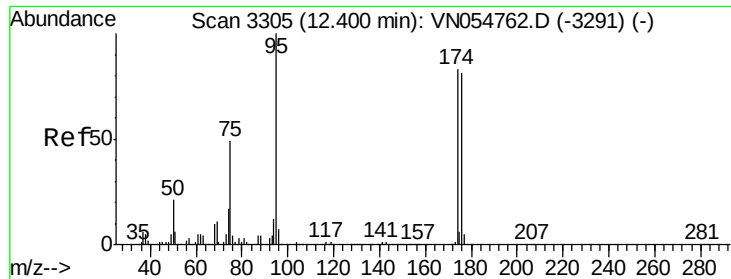
50000

0

Time-->

10.70 10.75 10.80

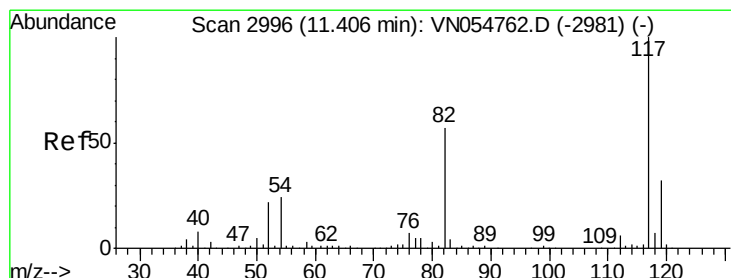
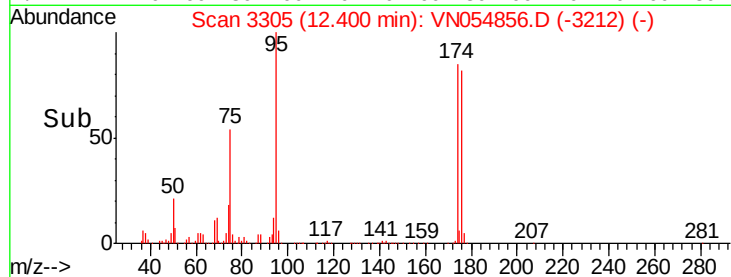
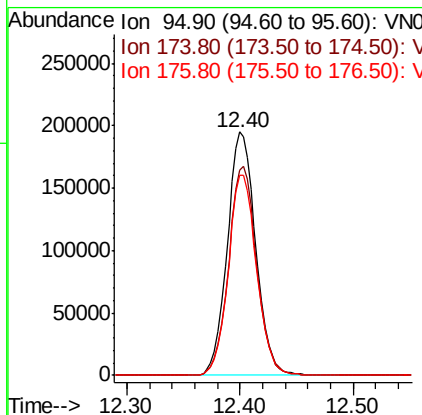
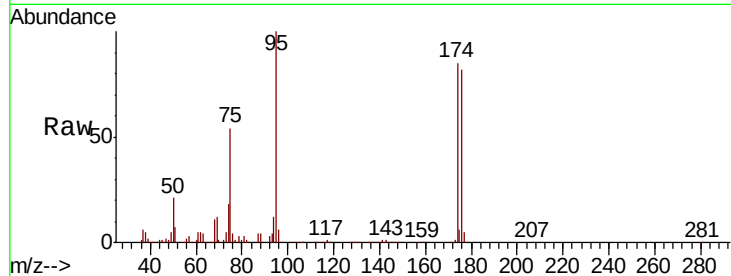




#62
4-Bromofluorobenzene
Concen: 44.280 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

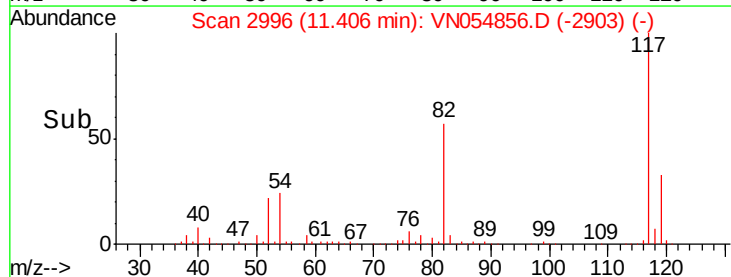
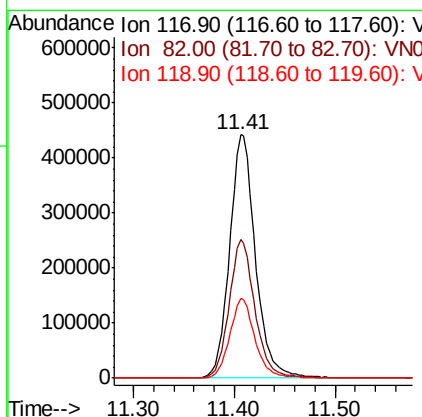
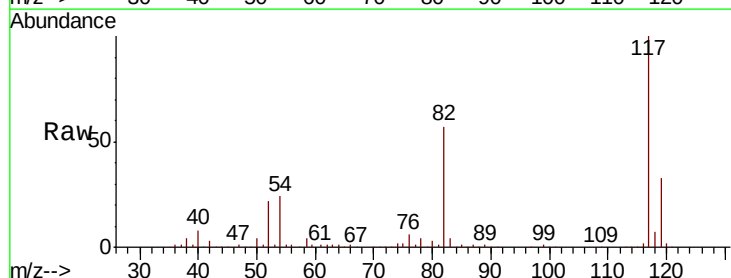
Instrument :
MSVOA_N
ClientSampled :

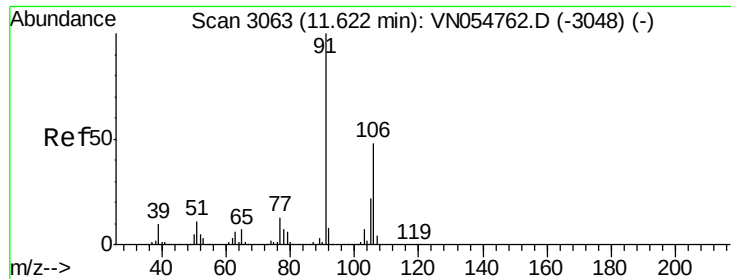
Tot Ion: 95 Resp: 338872
Ion Ratio Lower Upper
95 100
174 85.1 0.0 191.0
176 82.2 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

Tgt Ion: 117 Resp: 790863
Ion Ratio Lower Upper
117 100
82 56.9 40.0 60.0
119 32.6 25.8 38.6

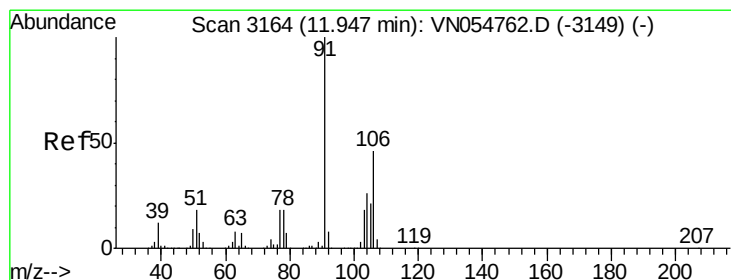
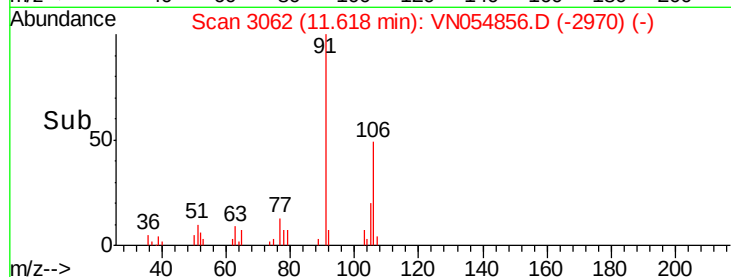
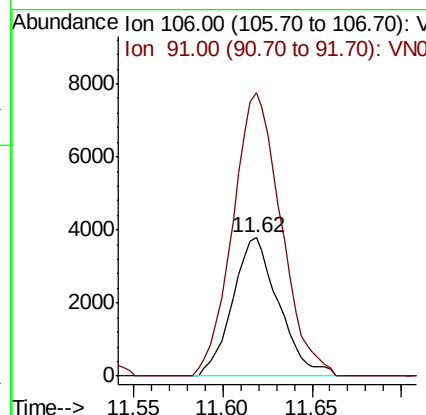
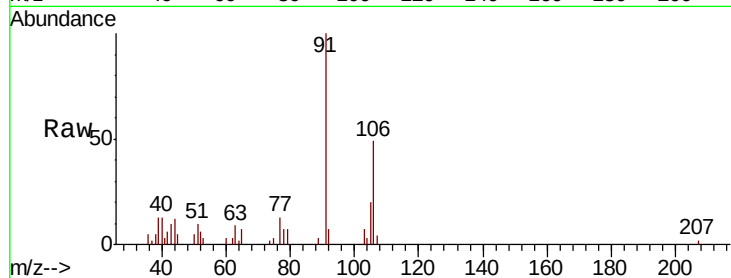




#68
m/p-Xylenes
Concen: 0.662 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

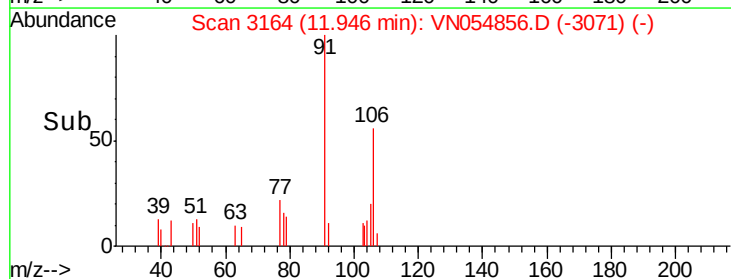
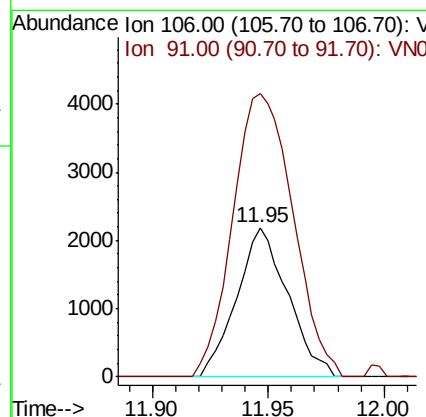
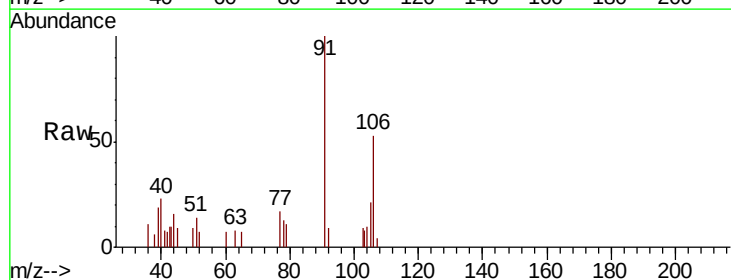
Instrument :
MSVOA_N
ClientSampled :

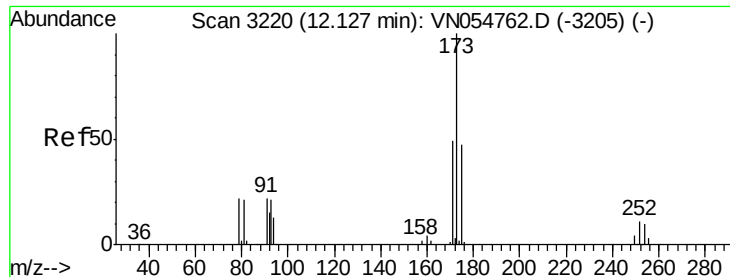
Tot Ion:106 Resp: 6848
Ion Ratio Lower Upper
106 100
91 214.2 159.4 239.2



#69
o-Xylene
Concen: 0.329 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

Tgt Ion:106 Resp: 3340
Ion Ratio Lower Upper
106 100
91 223.8 105.7 317.1





#71

Bromoform

Concen: 0.971 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

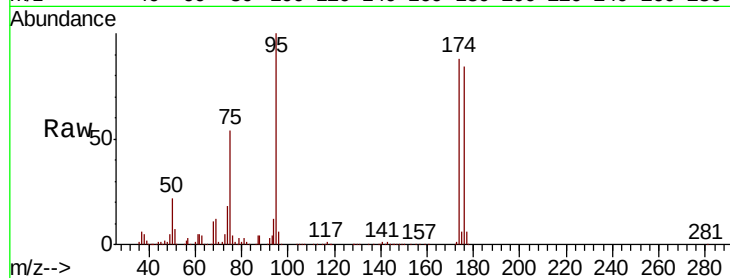
Tot Ion:173 Resp: 3296

Ion Ratio Lower Upper

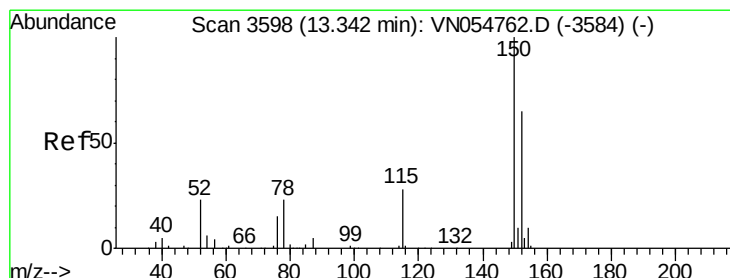
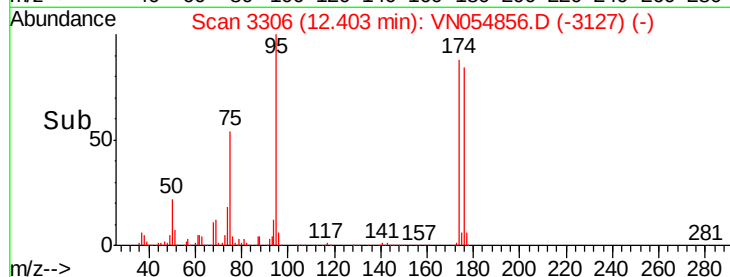
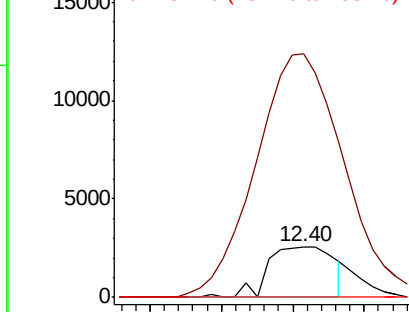
173 100

175 547.8 24.4 73.2#

254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

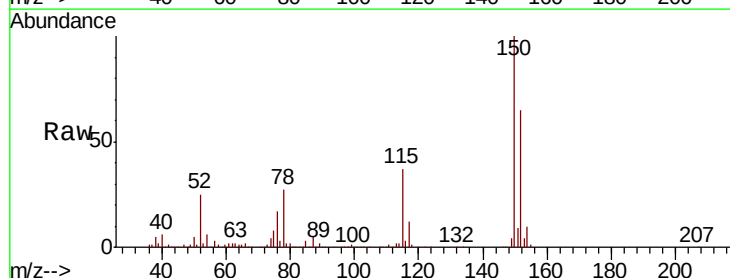
Tgt Ion:152 Resp: 286668

Ion Ratio Lower Upper

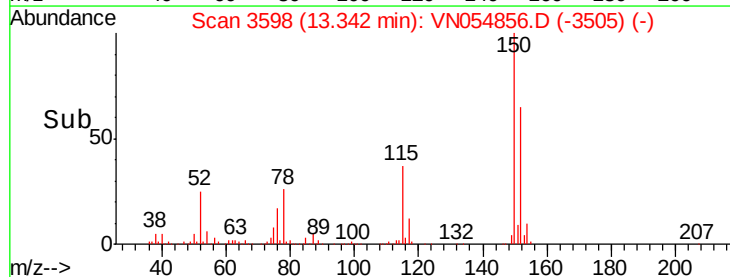
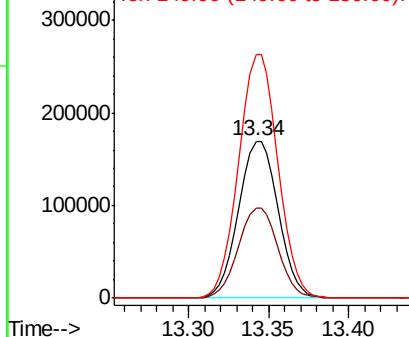
152 100

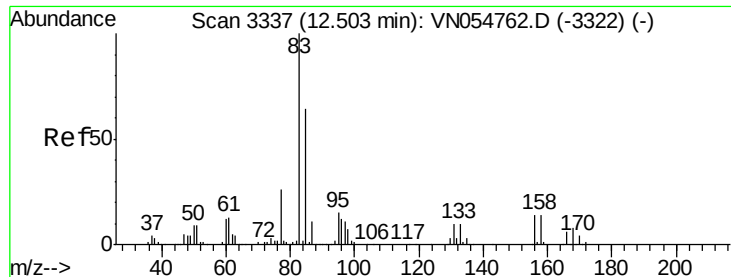
115 57.6 27.2 81.6

150 153.6 0.0 349.2



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: 12.39 min Scan# 3302

Delta R.T. -0.11 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

ClientSampled :

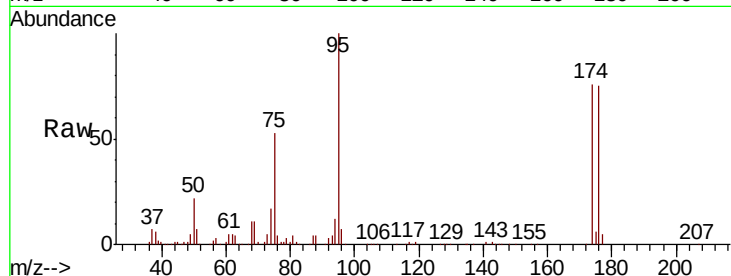
Tot Ion: 83 Resp: 315

Ion Ratio Lower Upper

83 100

131 117.1 5.8 17.4#

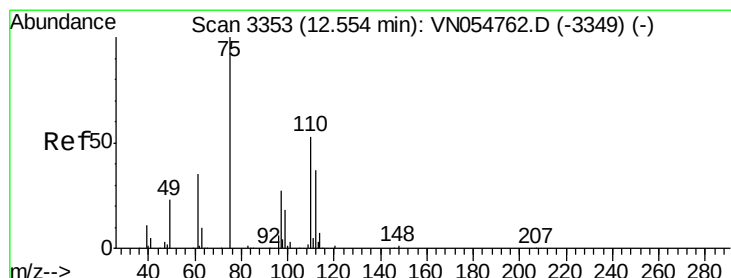
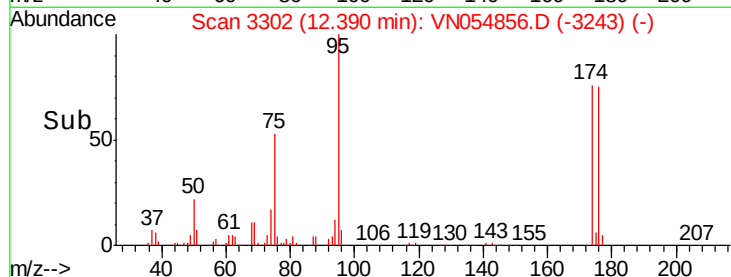
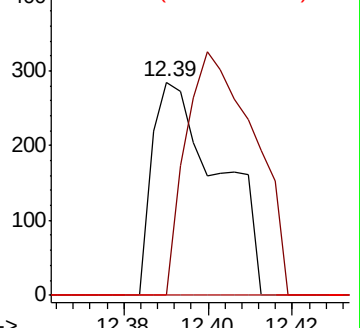
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 36.043 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054856.D

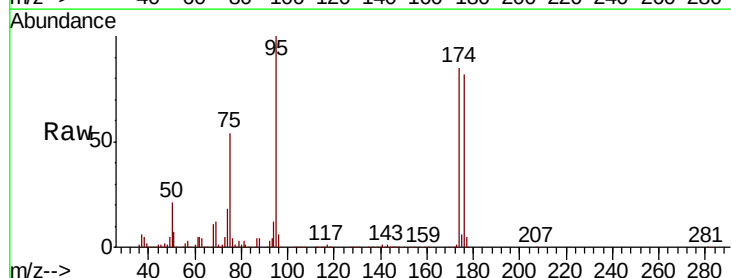
Acq: 31 Mar 2019 17:45

Tgt Ion: 75 Resp: 179499

Ion Ratio Lower Upper

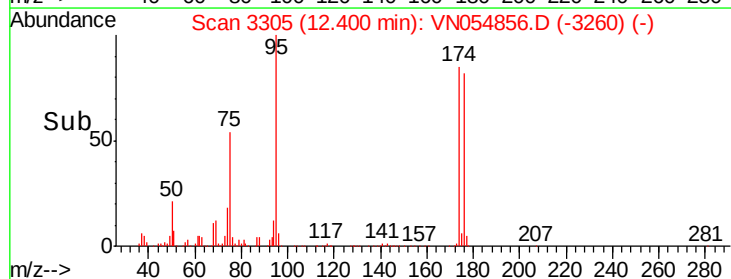
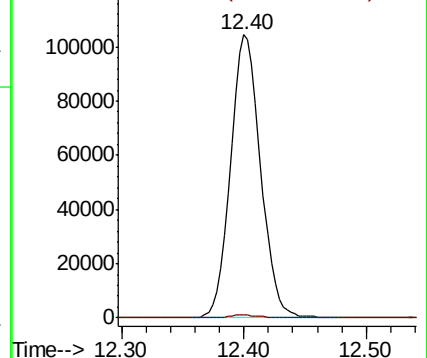
75 100

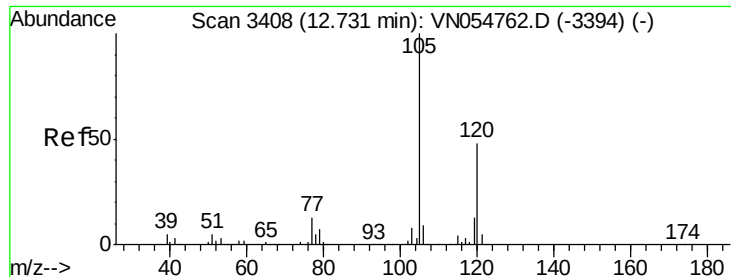
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.413 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

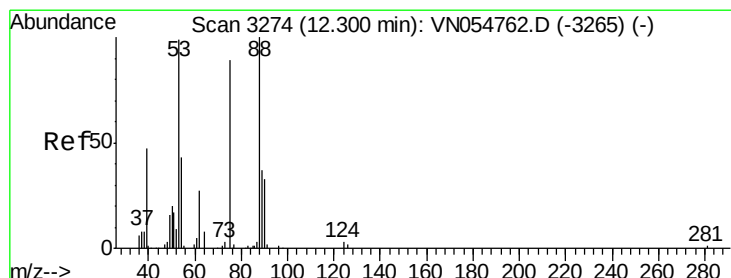
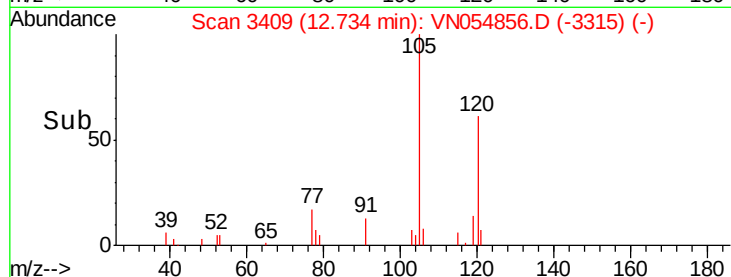
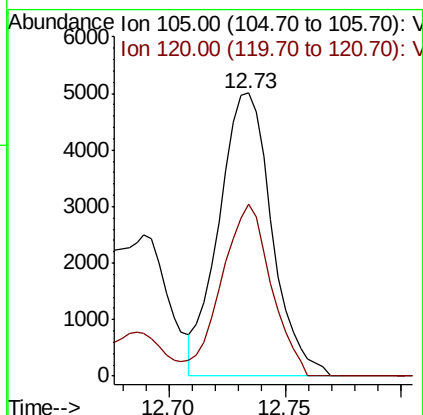
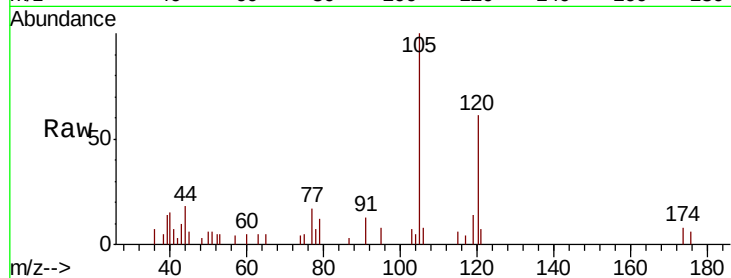
ClientSampleId :

Tot Ion:105 Resp: 7938

Ion Ratio Lower Upper

105 100

120 56.8 25.0 75.0



#81

trans-1,4-Dichloro-2-butene

Concen: 140.199 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

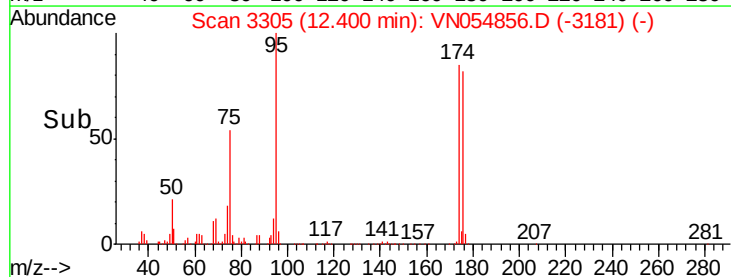
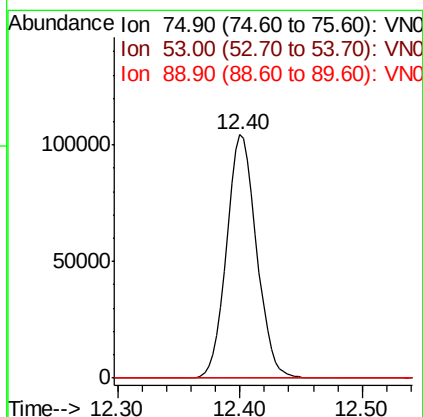
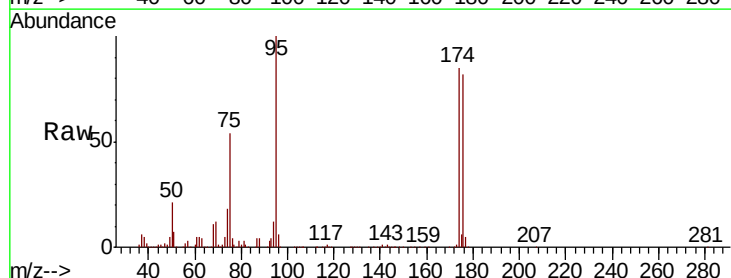
Tgt Ion: 75 Resp: 179499

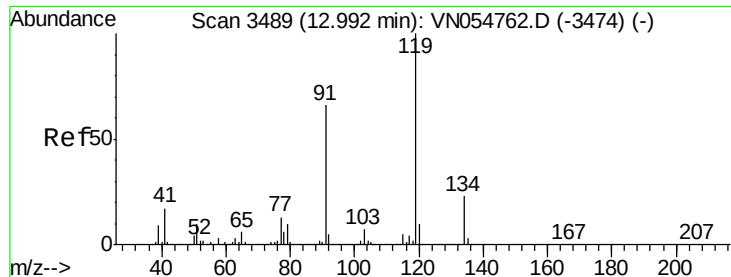
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

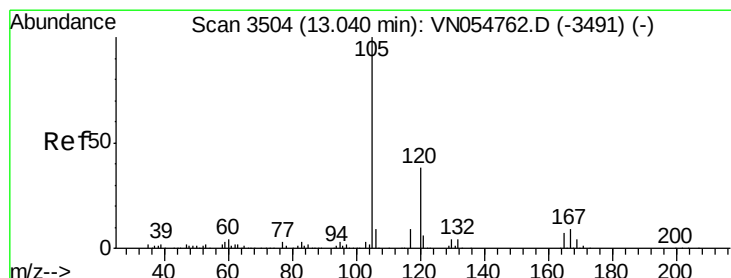
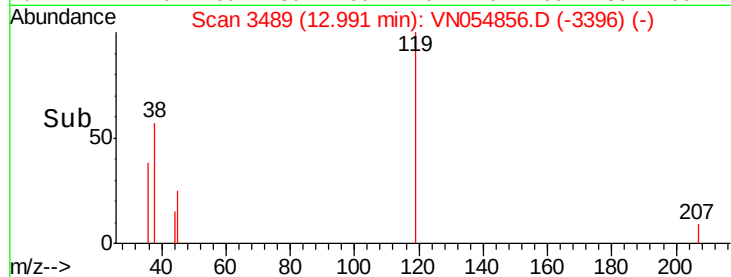
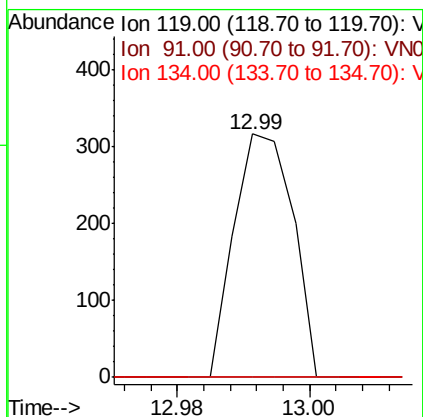
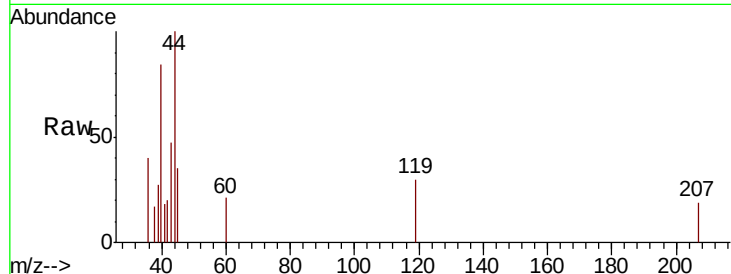




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

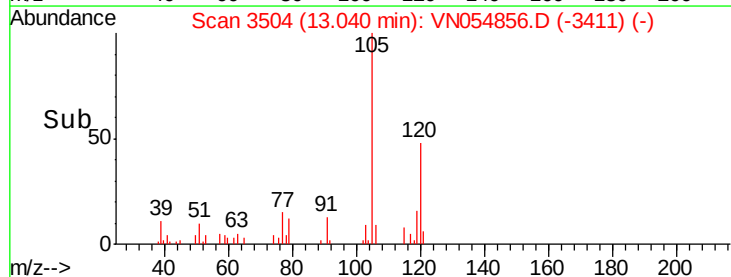
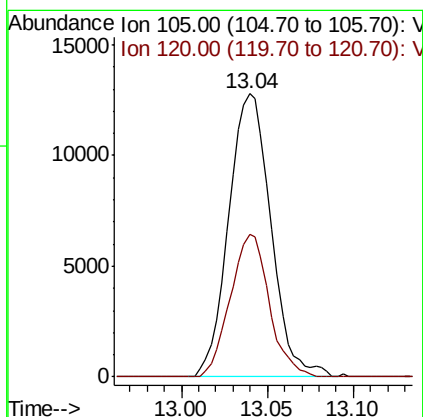
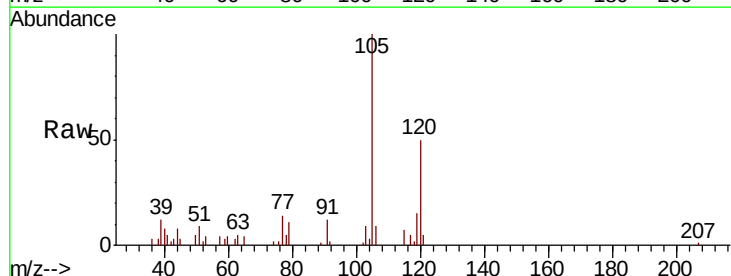
Instrument :
 MSVOA_N
 ClientSampleId :

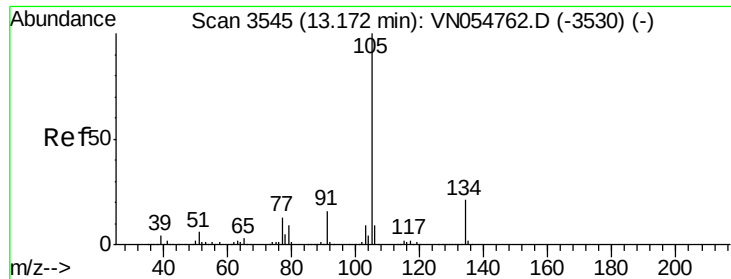
Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	30.9	92.8#
134	0.0	13.2	39.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.190 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 1.043 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

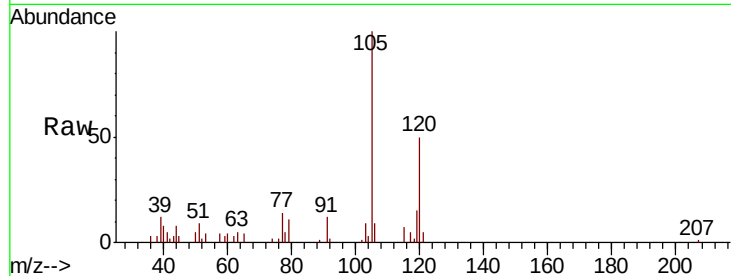
ClientSampleId :

Tot Ion:105 Resp: 21793

Ion Ratio Lower Upper

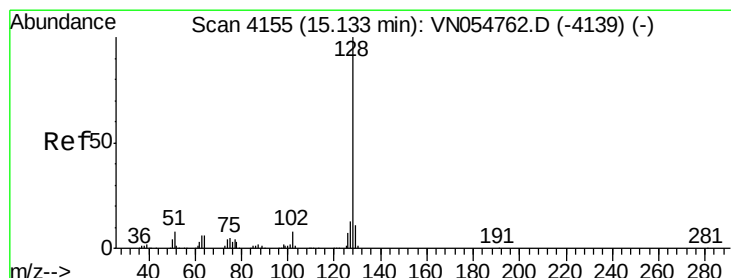
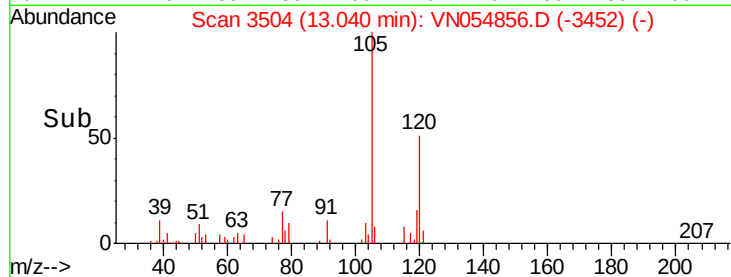
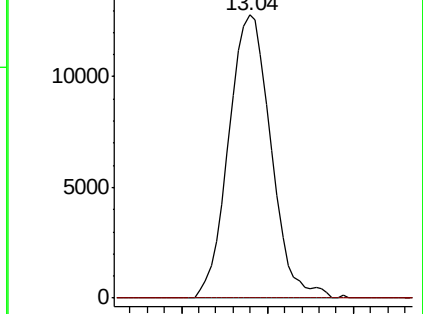
105 100

134 0.0 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 1.778 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

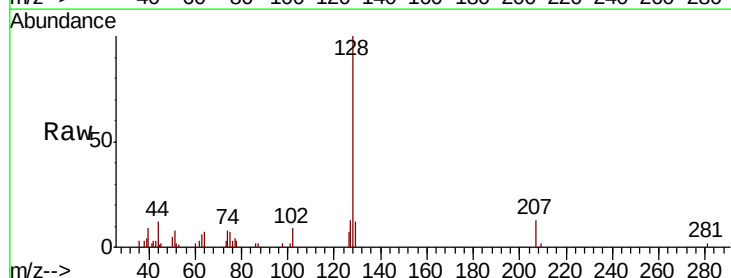
Tgt Ion:128 Resp: 18370

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 10.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

