

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053136.D
 Acq On : 22 Dec 2018 16:45
 Operator : MD\SY
 Sample : J6392-22ME
 Misc : 6.49g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)ME

Quant Time: Dec 23 23:06:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1213752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1820051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1527477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	707599	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	552255	44.84	ug/l	0.00
Spiked Amount			Recovery	=	89.68%	
35) Dibromofluoromethane	7.59	113	451513	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
50) Toluene-d8	10.09	98	2373814	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.40	95	736519	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.52	94	2105	0.202	ug/l	93
13) Acrolein	3.55	56	549	0.806	ug/l #	1
14) Allyl chloride	4.58	41	206756	11.538	ug/l #	57
15) Acrylonitrile	5.04	53	7787	1.865	ug/l #	5
16) Acetone	3.79	43	16399	6.790	ug/l #	52
17) Carbon Disulfide	4.05	76	9683	0.257	ug/l	99
18) Methyl Acetate	4.59	43	532461	48.605	ug/l #	51
20) Methylene Chloride	4.55	84	10099	0.767	ug/l #	72
25) 2-Butanone	6.82	43	24671	6.087	ug/l #	49
29) Tetrahydrofuran	7.21	42	2144	0.708	ug/l #	34
30) Chloroform	7.32	83	55479	2.485	ug/l #	19
31) Cyclohexane	7.64	56	1142516	53.674	ug/l #	60
36) 1,1-Dichloropropene	7.66	75	79650	4.559	ug/l #	48
37) Ethyl Acetate	6.82	43	24671	2.530	ug/l #	68
38) Carbon Tetrachloride	7.66	117	103647	6.473	ug/l #	15
39) Methylcyclohexane	9.08	83	3352423	157.971	ug/l	91
40) Benzene	8.04	78	547078	10.528	ug/l	98
41) Methacrylonitrile	7.21	41	14050	2.493	ug/l #	38
42) 1,2-Dichloroethane	8.16	62	3190	0.208	ug/l #	1
43) Isopropyl Acetate	8.15	43	435435	22.498	ug/l #	53
45) 1,2-Dichloropropane	9.14	63	10895	0.805	ug/l #	1
47) Bromodichloromethane	9.38	83	200807	11.981	ug/l #	26
48) Methyl methacrylate	9.22	41	286760	30.302	ug/l #	24
51) 4-Methyl-2-Pentanone	10.02	43	881914	93.381	ug/l #	82
52) Toluene	10.16	92	57417	1.783	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	988667	87.989	ug/l #	22
56) Ethyl methacrylate	10.44	69	50405	3.389	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.66	63	21100	2.584	ug/l #	49
59) 2-Hexanone	10.72	43	1327785	207.797	ug/l #	29
60) Dibromochloromethane	10.82	129	8171	0.635	ug/l	57
61) 1,2-Dibromoethane	10.98	107	4603	0.403	ug/l #	1
65) Chlorobenzene	11.54	112	14125	0.417	ug/l #	43
67) Ethyl Benzene	11.62	91	16791870	288.371	ug/l #	57
68) m/p-Xylenes	11.63	106	8888390	401.525	ug/l	91

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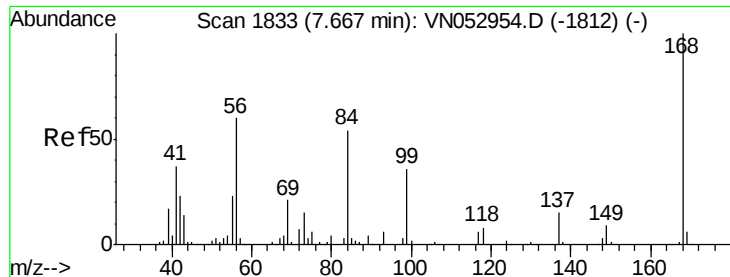
Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)ME

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	11.95	106	7285605	342.984	ug/l	95
70) Styrene	11.95	104	347546	10.034	ug/l #	1
71) Bromoform	12.40	173	4066	0.478	ug/l #	1
73) Isopropylbenzene	12.25	105	7099931	128.242	ug/l	99
74) N-amyl acetate	12.04	43	540657	35.174	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.55	83	16616	1.530	ug/l #	1
76) 1,2,3-Trichloropropane	12.59	75	66785	5.607	ug/l #	100
77) Bromobenzene	12.56	156	34073	2.368	ug/l #	1
78) n-propylbenzene	12.59	91	12683967	201.161	ug/l	99
79) 2-Chlorotoluene	12.66	91	1079779	27.627	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	12823057	284.161	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.25	75	72569	19.636	ug/l #	66
82) 4-Chlorotoluene	12.73	91	1259563	32.922	ug/l #	41
83) tert-Butylbenzene	13.04	119	5507773	138.005	ug/l #	72
84) 1,2,4-Trimethylbenzene	12.89	105	11439617	252.172	ug/l	78
85) sec-Butylbenzene	13.17	105	1271709	23.558	ug/l #	49
86) p-Isopropyltoluene	13.29	119	766231	16.427	ug/l	100
89) n-Butylbenzene	13.62	91	2144436	53.438	ug/l #	73
90) Hexachloroethane	13.89	117	721861	100.846	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	35869	19.099	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	844	0.662	ug/l #	70
95) Naphthalene	15.13	128	4587191	162.248	ug/l	100
96) 1,2,3-Trichlorobenzene	15.33	180	987	0.593	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

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ClientSampleId :

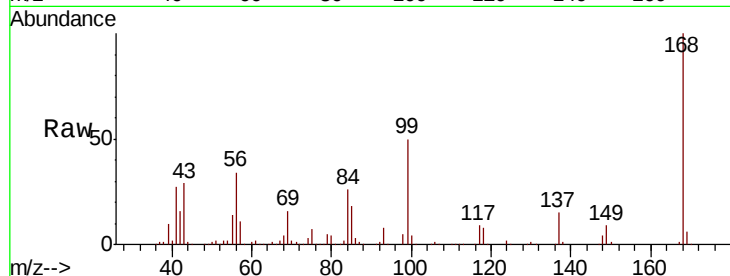
KY001SB106-121218-(22-24)ME

Tot Ion:168 Resp: 1213752

Ion Ratio Lower Upper

168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

0

7.66

7.67

7.68

7.69

7.70

7.71

7.72

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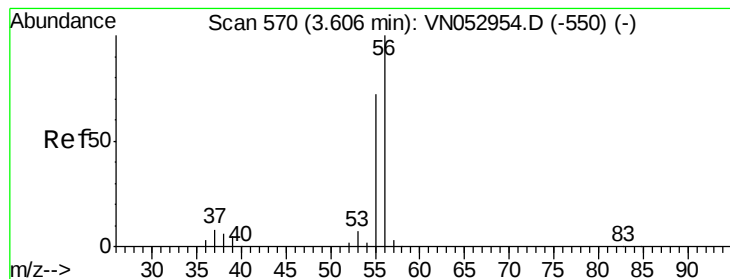
10.18

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10.20

10.21

10.22



#13

Acrolein

Concen: 0.806 ug/l

RT: 3.55 min Scan# 552

Delta R.T. -0.06 min

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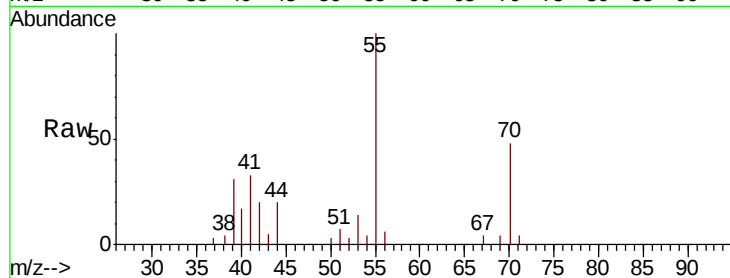
KY001SB106-121218-(22-24)ME

Tot Ion: 56 Resp: 549

Ion Ratio Lower Upper

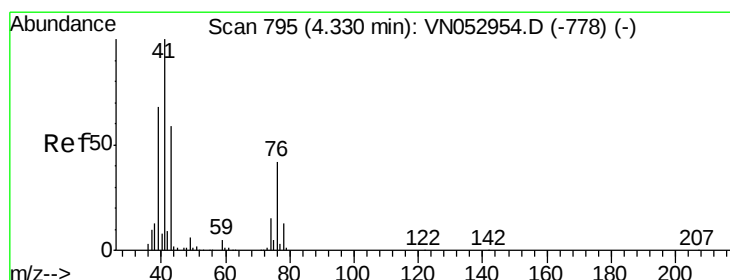
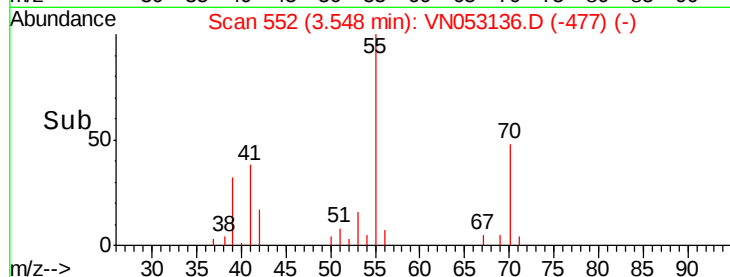
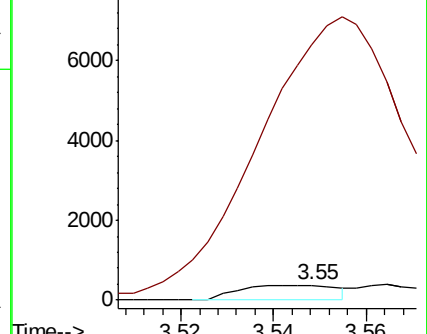
56 100

55 3127.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 11.538 ug/l

RT: 4.58 min Scan# 874

Delta R.T. 0.25 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

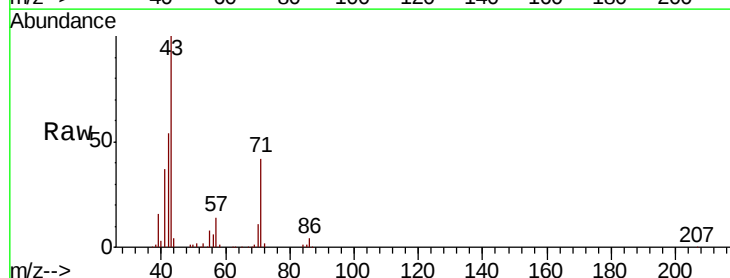
Tgt Ion: 41 Resp: 206756

Ion Ratio Lower Upper

41 100

39 41.7 54.1 81.1#

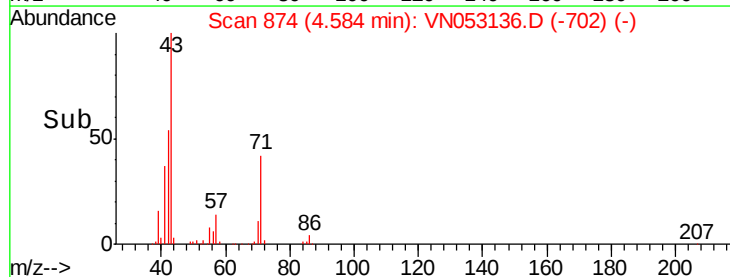
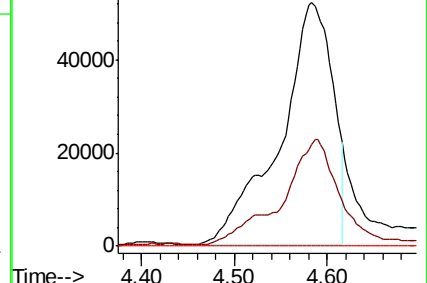
76 0.0 30.3 45.5#

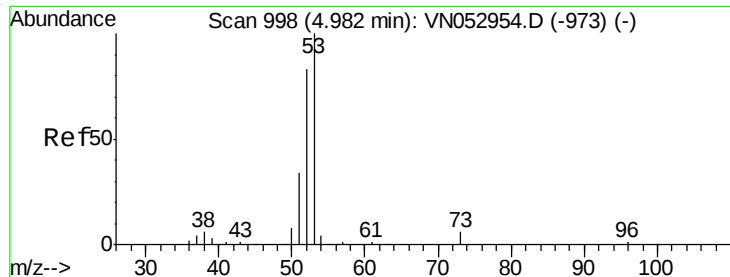


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 1.865 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.06 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

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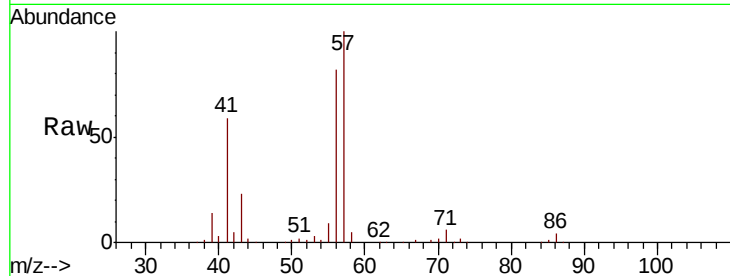
Tot Ion: 53 Resp: 7787

Ion Ratio Lower Upper

53 100

52 9.6 65.1 97.7#

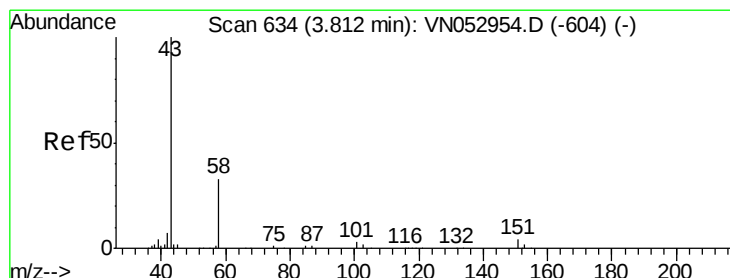
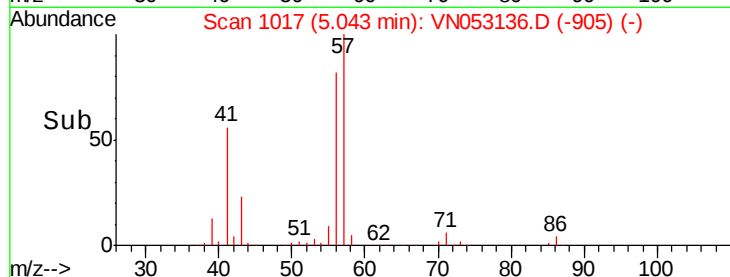
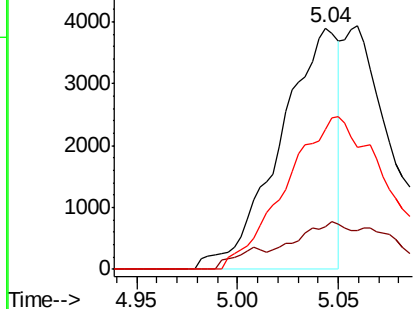
51 109.7 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 6.790 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.03 min

Lab File: VN053136.D

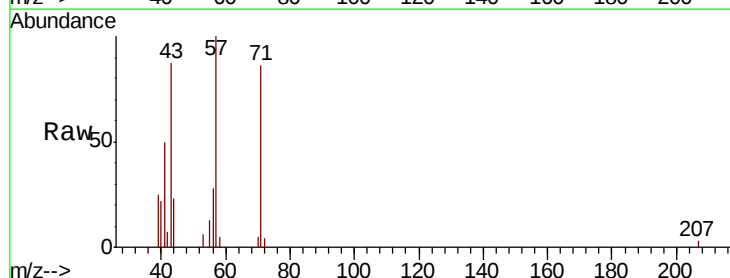
Acq: 22 Dec 2018 16:45

Tgt Ion: 43 Resp: 16399

Ion Ratio Lower Upper

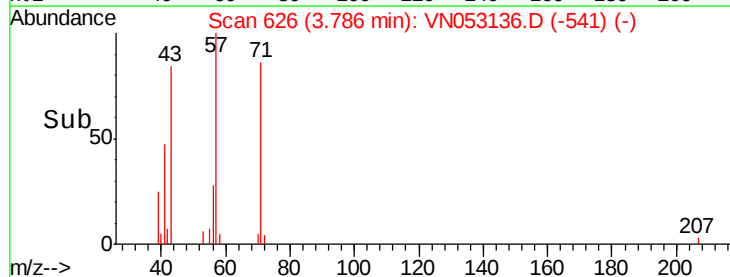
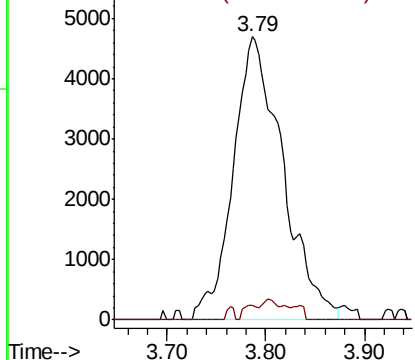
43 100

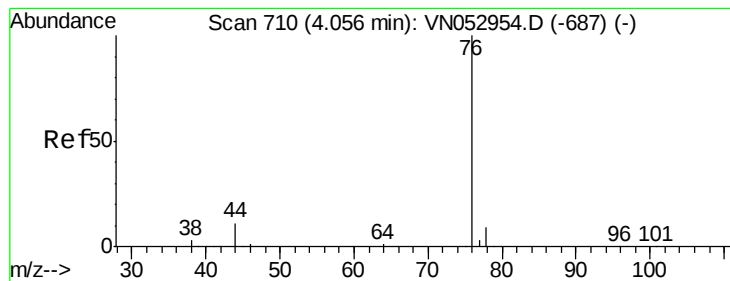
58 5.3 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.257 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

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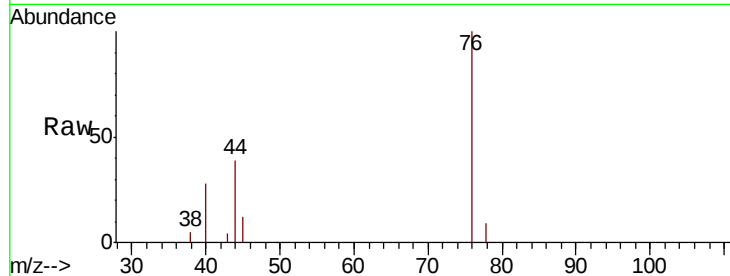
KY001SB106-121218-(22-24)ME

Tot Ion: 76 Resp: 9683

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.05

4000

3000

2000

1000

0

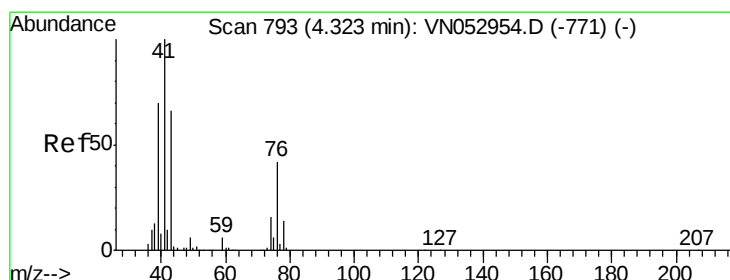
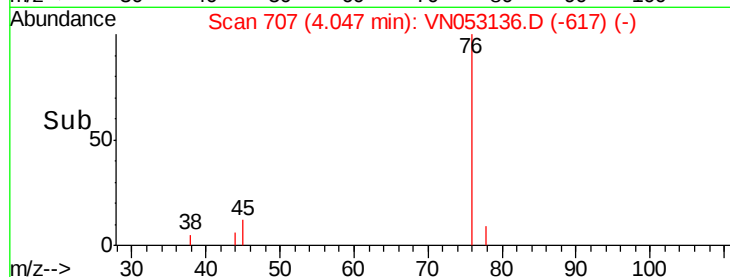
Time-->

3.95

4.00

4.05

4.10



#18

Methyl Acetate

Concen: 48.605 ug/l

RT: 4.59 min Scan# 875

Delta R.T. 0.26 min

Lab File: VN053136.D

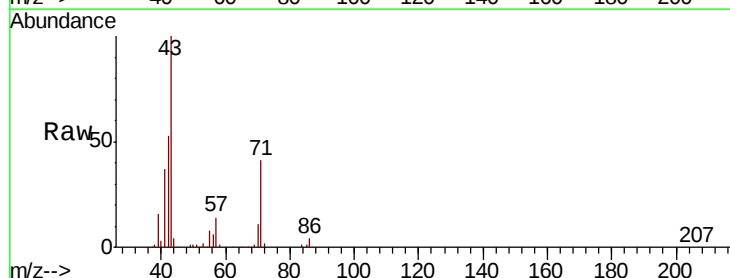
Acq: 22 Dec 2018 16:45

Tgt Ion: 43 Resp: 532461

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.59

150000

100000

50000

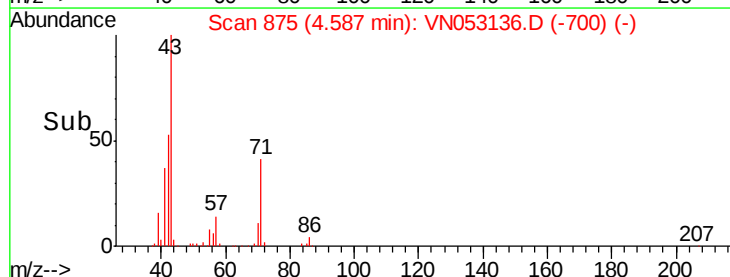
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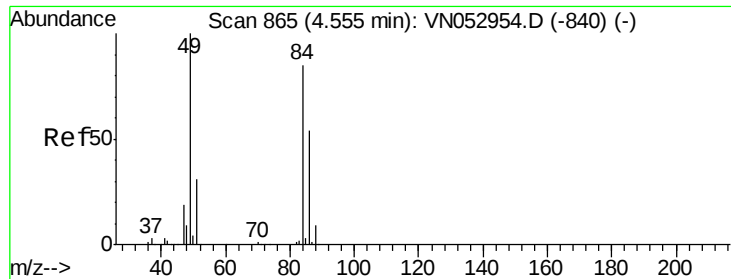
Time-->

4.40

4.50

4.60

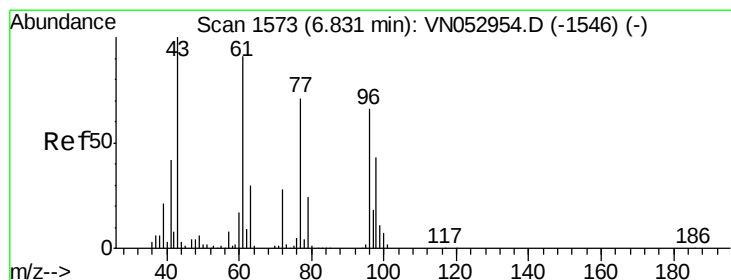
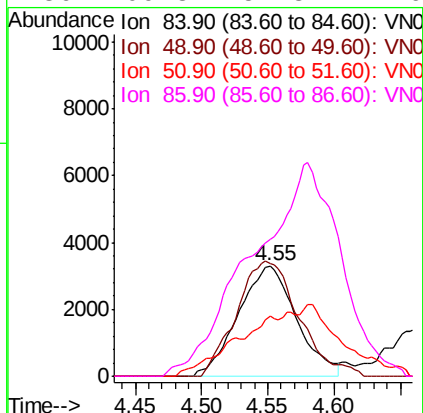
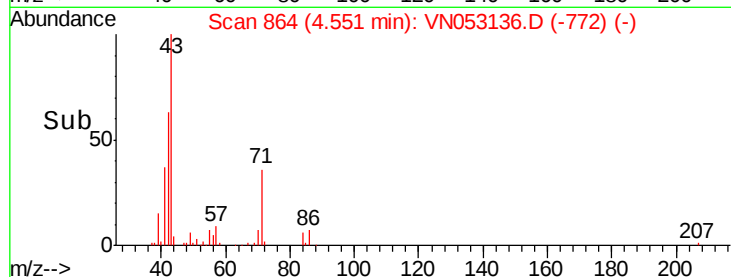
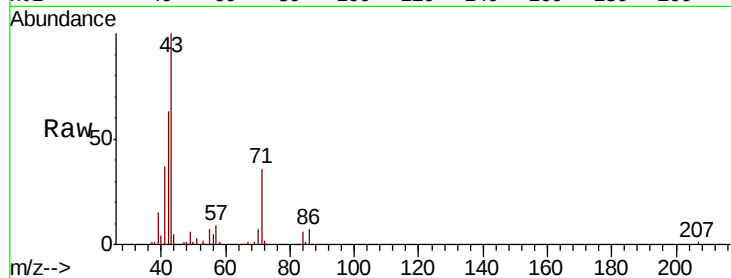




#20
Methvlene Chloride
Concen: 0.767 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

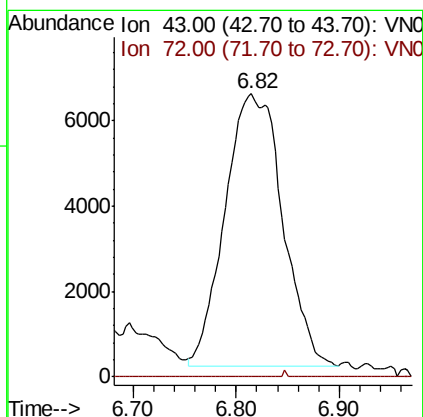
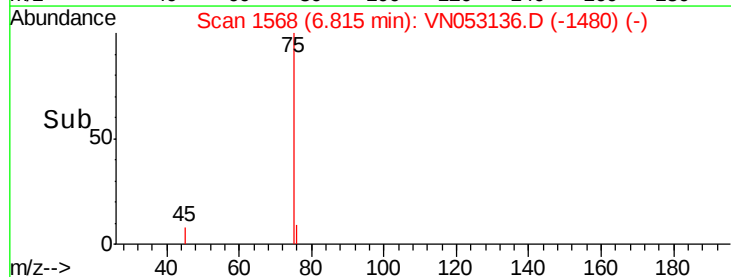
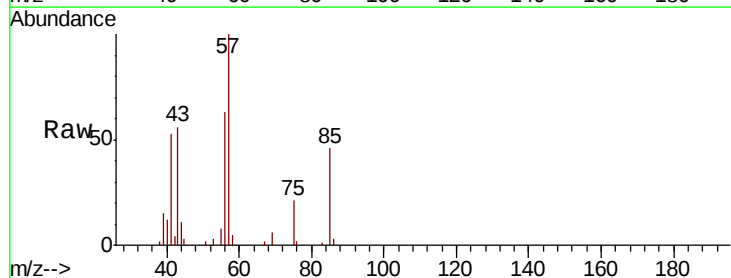
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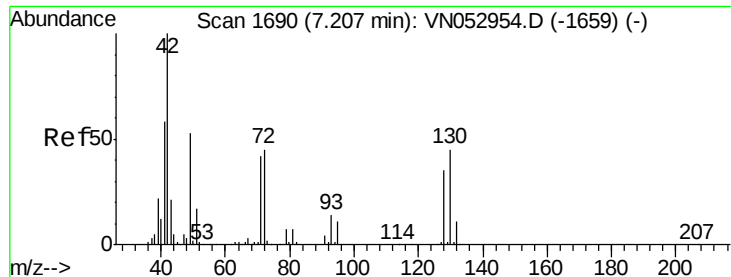
Tot Ion: 84 Resp: 10099
Ion Ratio Lower Upper
84 100
49 102.8 96.8 145.2
51 47.8 29.9 44.9#
86 109.8 51.8 77.6#



#25
2-Butanone
Concen: 6.087 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. -0.02 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Tgt Ion: 43 Resp: 24671
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#





#29

Tetrahydrofuran

Concen: 0.708 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)ME

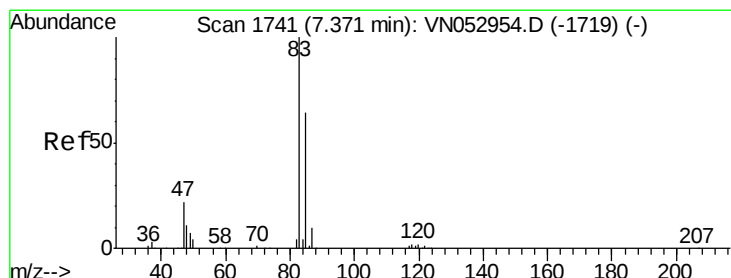
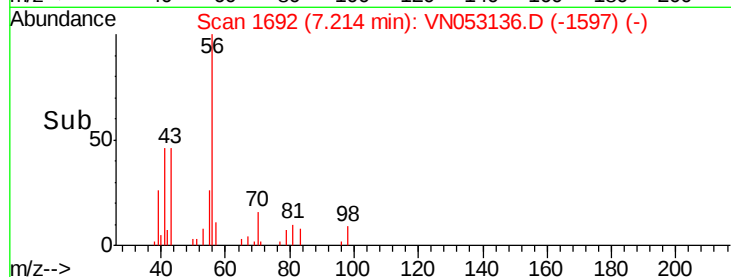
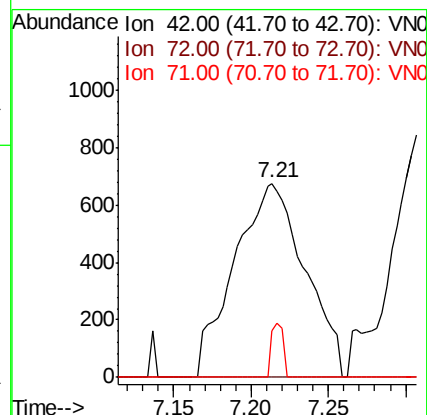
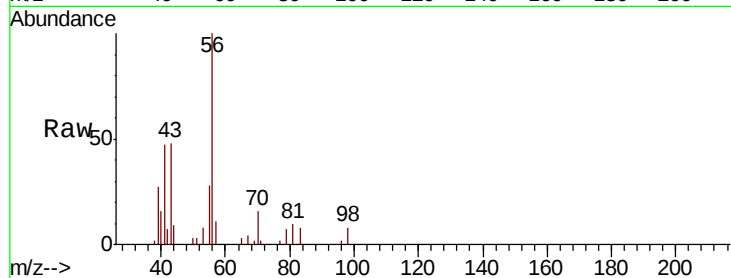
Tot Ion: 42 Resp: 2144

Ion Ratio Lower Upper

42 100

72 0.0 34.7 52.1#

71 0.0 32.3 48.5#



#30

Chloroform

Concen: 2.485 ug/l

RT: 7.32 min Scan# 1726

Delta R.T. -0.05 min

Lab File: VN053136.D

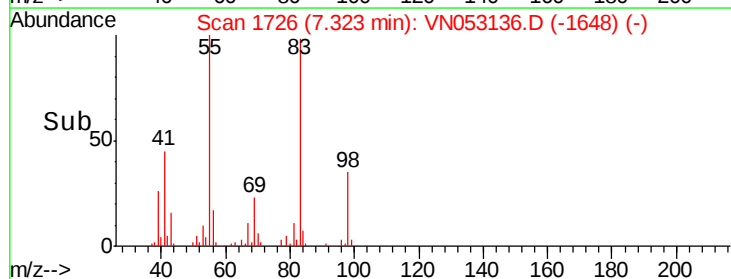
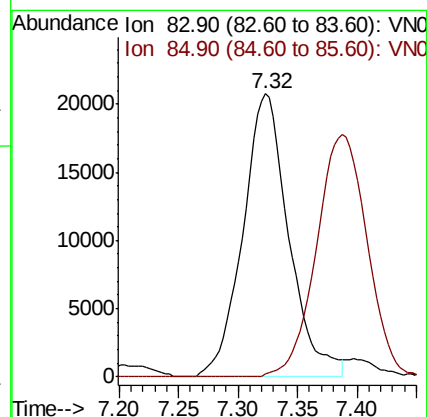
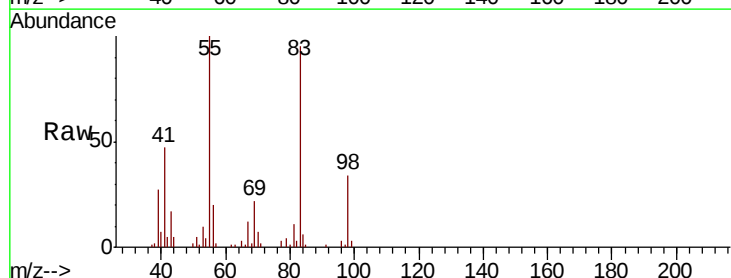
Acq: 22 Dec 2018 16:45

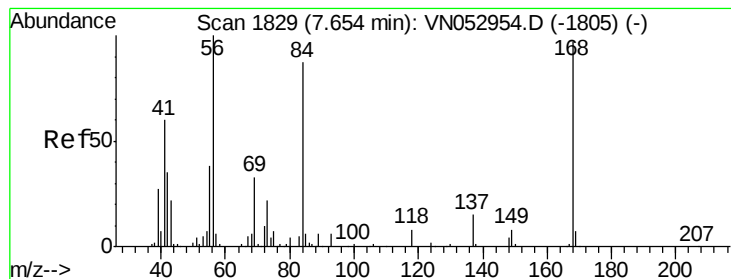
Tgt Ion: 83 Resp: 55479

Ion Ratio Lower Upper

83 100

85 0.9 52.1 78.1#





#31

Cyclohexane

Concen: 53.674 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.02 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)ME

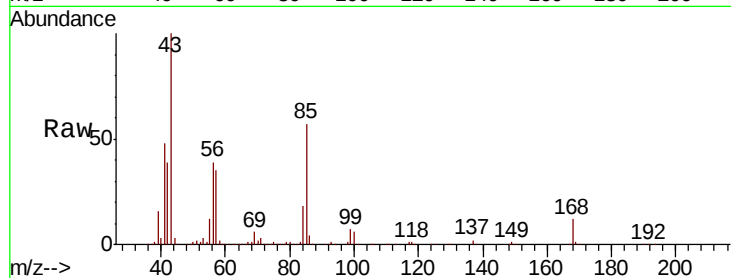
Tot Ion: 56 Resp: 1142516

Ion Ratio Lower Upper

56 100

69 12.6 26.6 39.8#

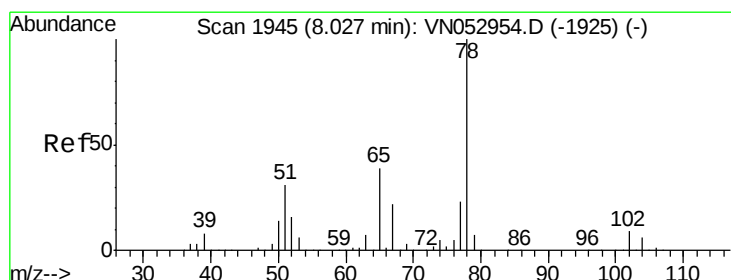
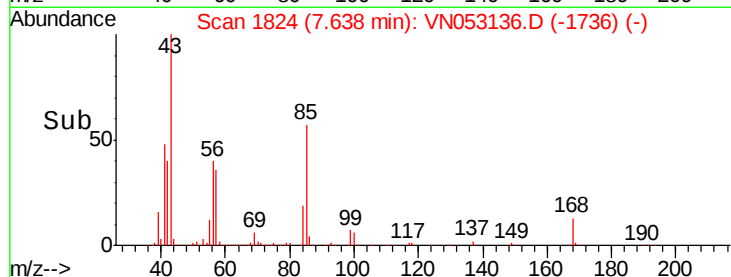
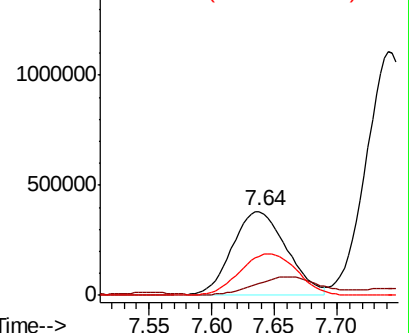
84 47.0 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VN052954.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN052954.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN052954.D (-1805) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053136.D

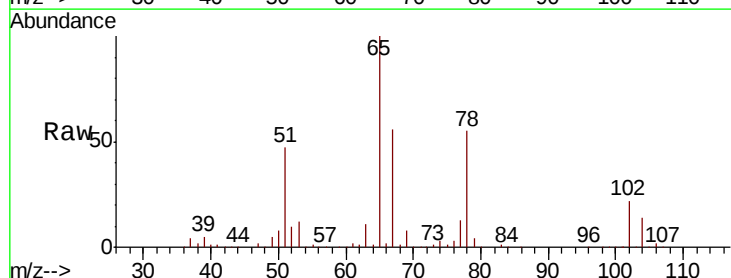
Acq: 22 Dec 2018 16:45

Tgt Ion: 65 Resp: 552255

Ion Ratio Lower Upper

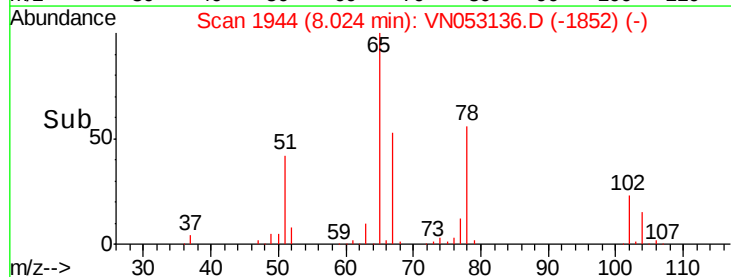
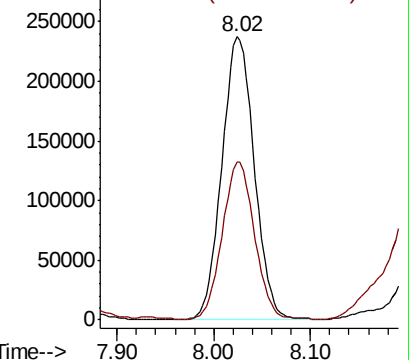
65 100

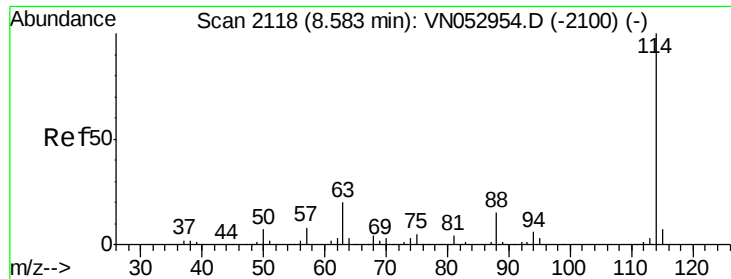
67 55.2 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052954.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN052954.D (-1925) (-)

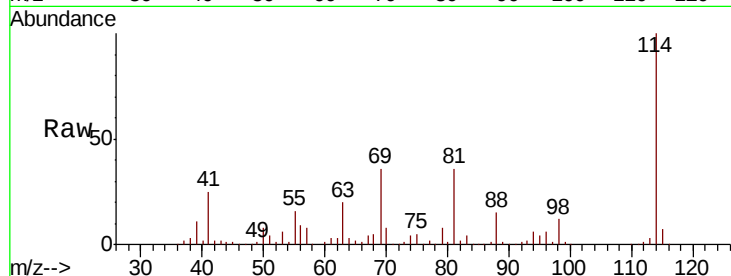




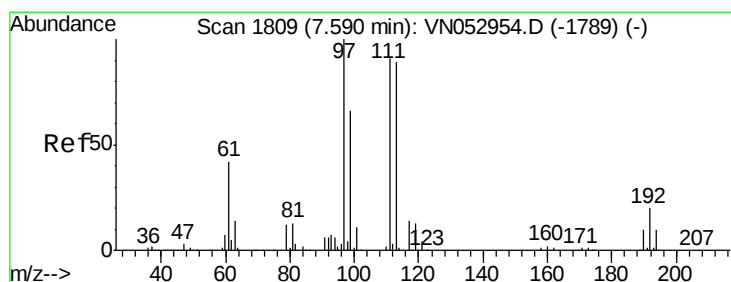
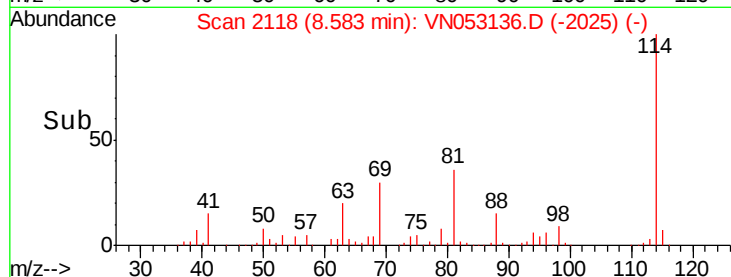
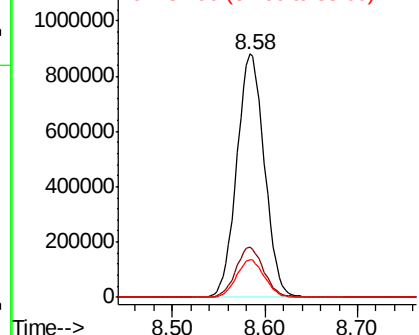
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)ME

Tot Ion:114 Resp: 1820051
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.8
88 15.5 0.0 31.0

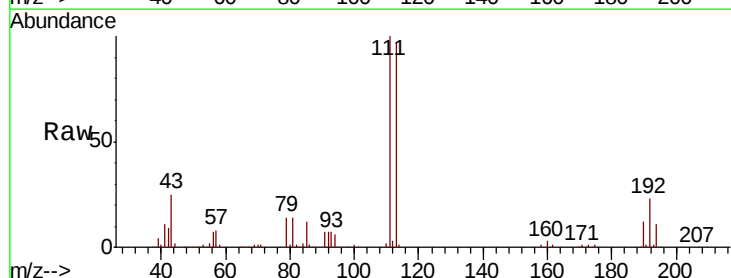


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

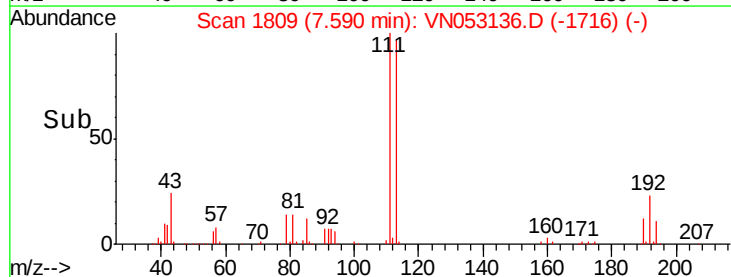
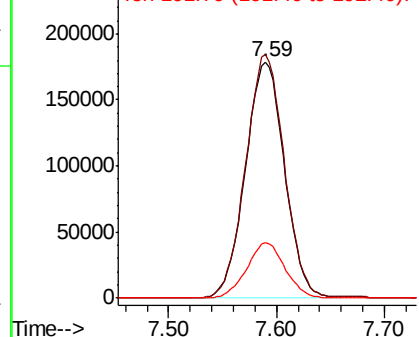


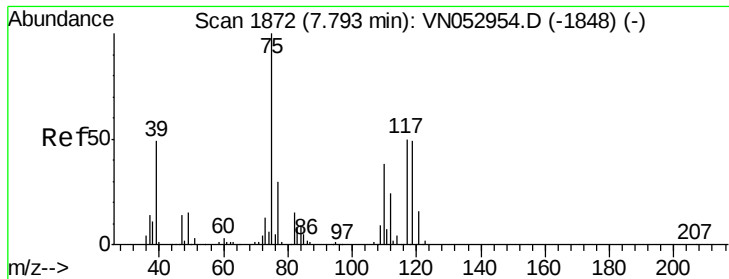
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Tgt Ion:113 Resp: 451513
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.4
192 22.9 17.5 26.3



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: 4.559 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)ME

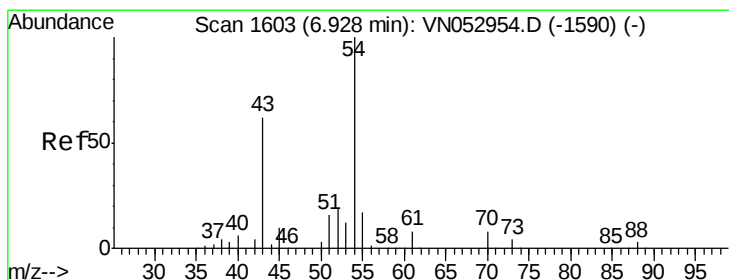
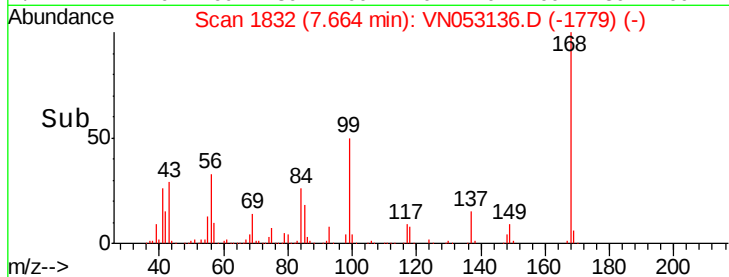
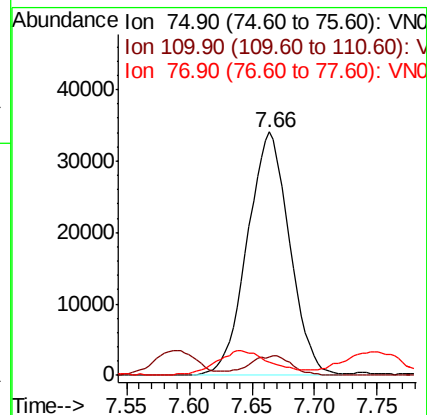
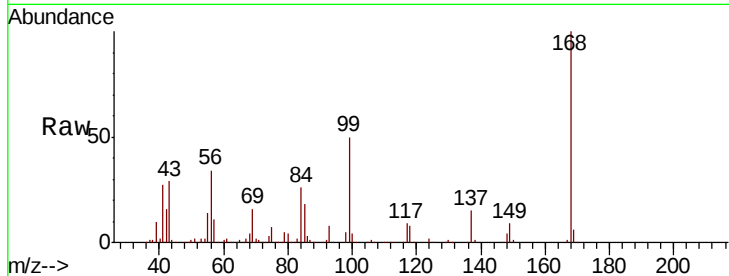
Tot Ion: 75 Resp: 79650

Ion Ratio Lower Upper

75 100

110 8.1 18.2 54.6#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 2.530 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.11 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

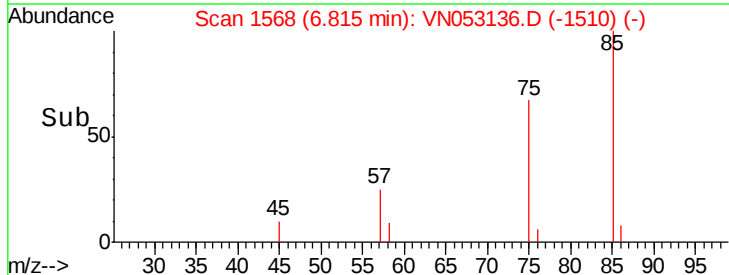
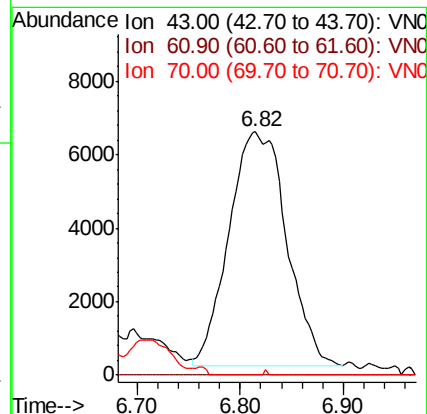
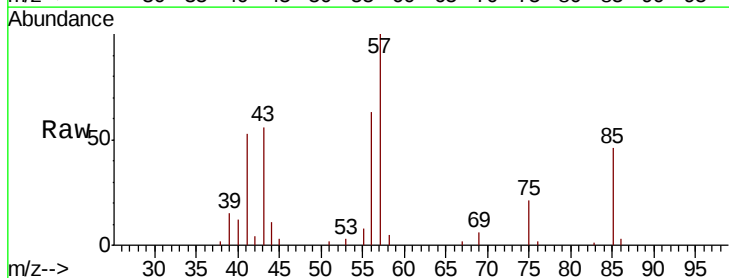
Tgt Ion: 43 Resp: 24671

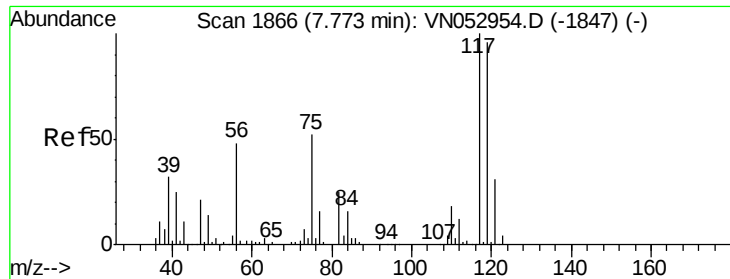
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.473 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)ME

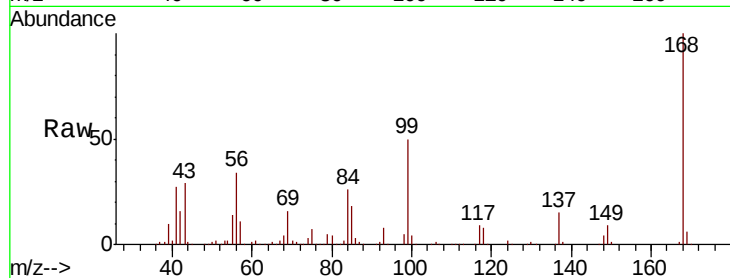
Tot Ion:117 Resp: 103647

Ion Ratio Lower Upper

117 100

119 4.7 77.1 115.7#

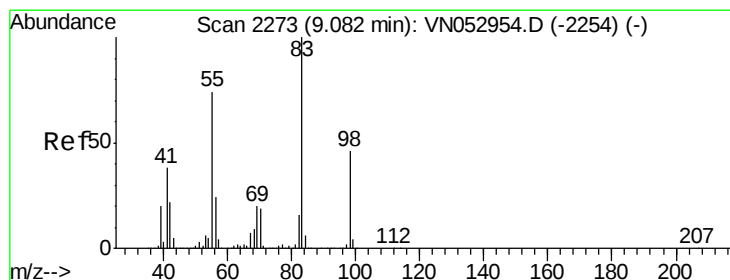
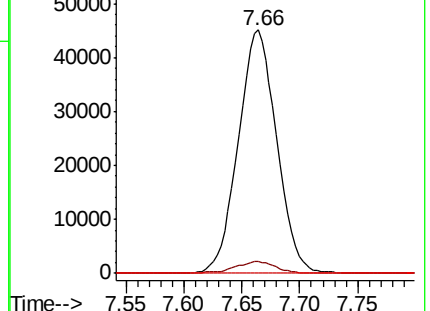
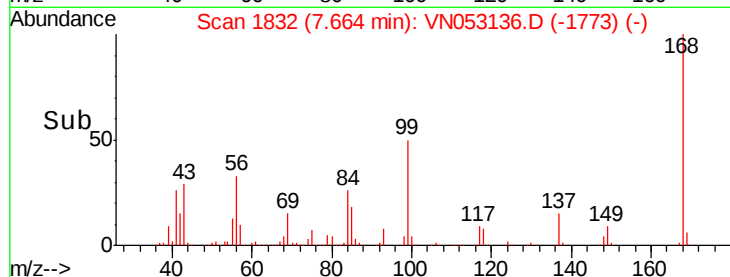
121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 157.971 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

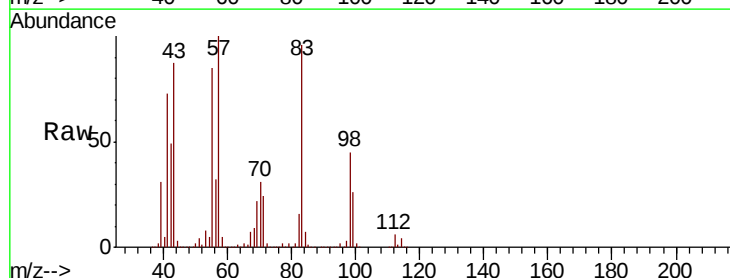
Tgt Ion: 83 Resp: 3352423

Ion Ratio Lower Upper

83 100

55 88.4 61.3 91.9

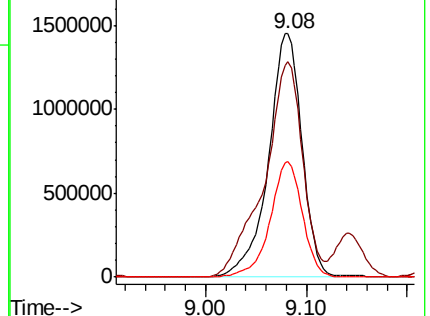
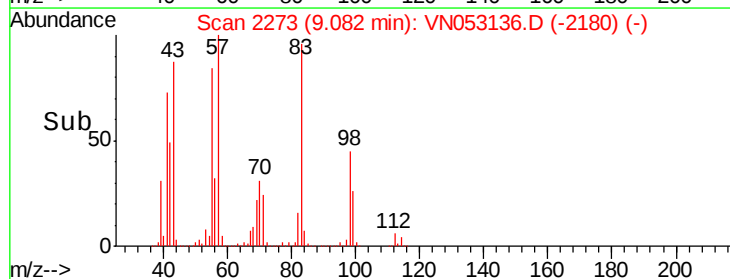
98 47.4 37.0 55.4

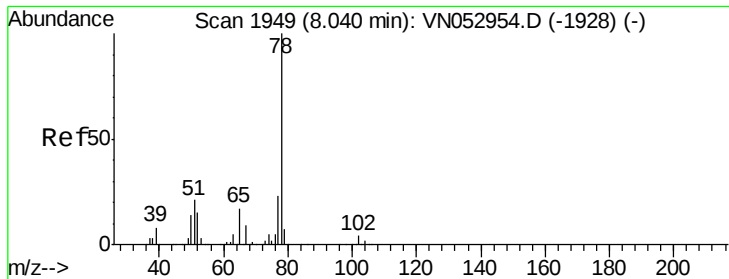


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 10.528 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

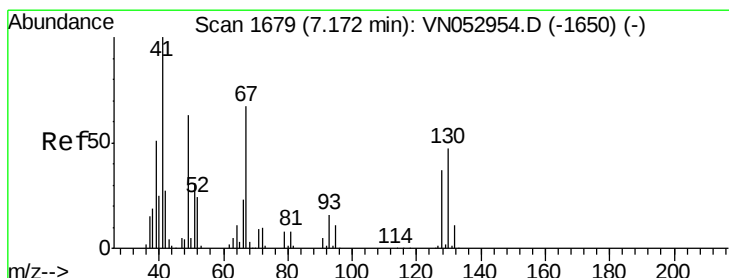
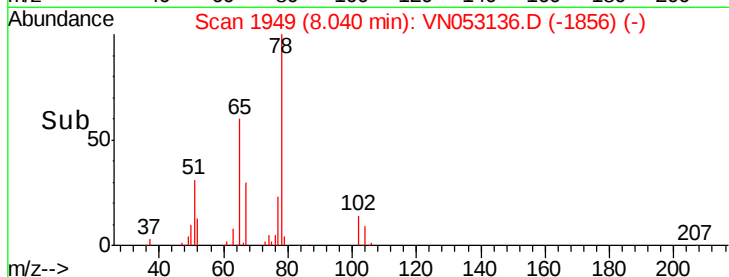
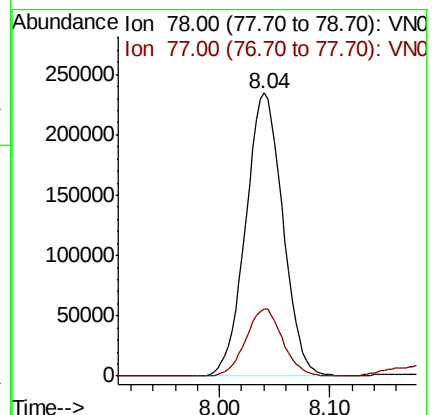
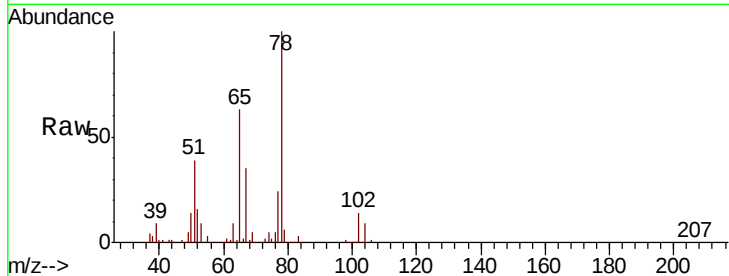
KY001SB106-121218-(22-24)ME

Tot Ion: 78 Resp: 547078

Ion Ratio Lower Upper

78 100

77 23.9 18.5 27.7



#41

Methacrylonitrile

Concen: 2.493 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.04 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Tgt Ion: 41 Resp: 14050

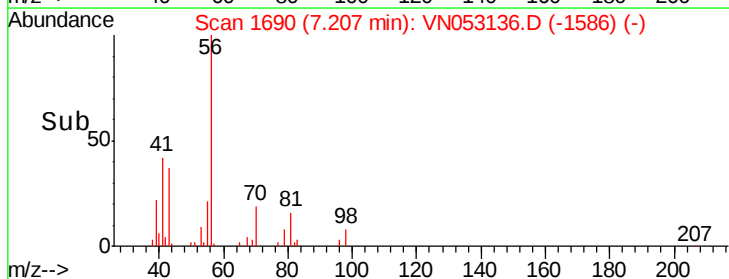
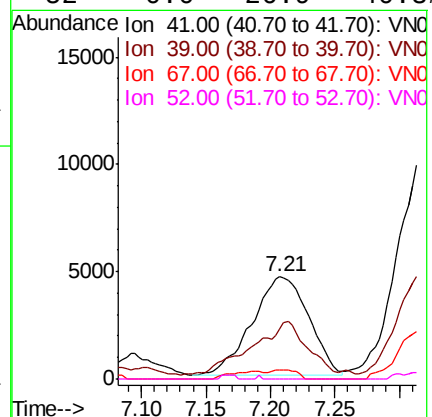
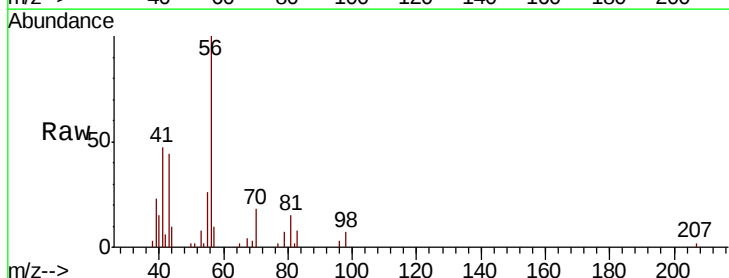
Ion Ratio Lower Upper

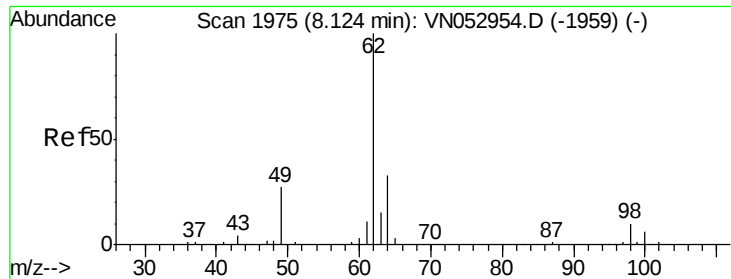
41 100

39 48.2 48.0 72.0

67 0.0 70.3 105.5#

52 0.0 26.9 40.3#

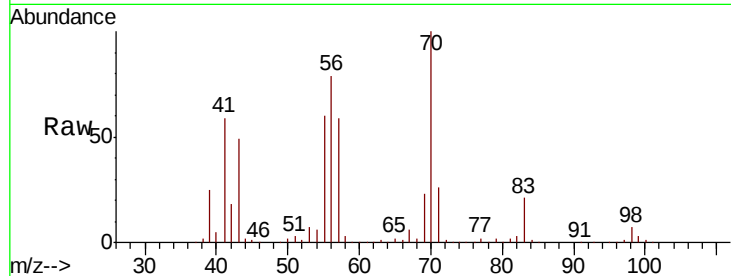




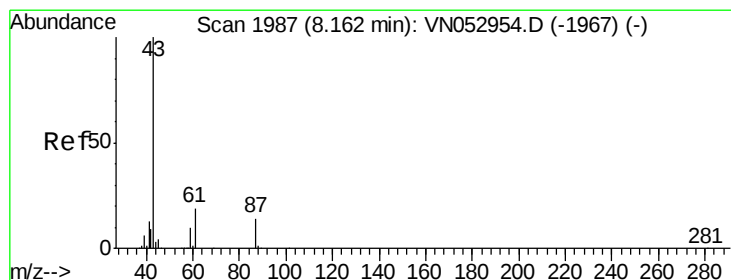
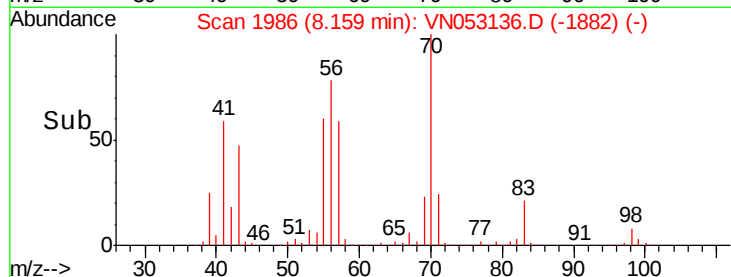
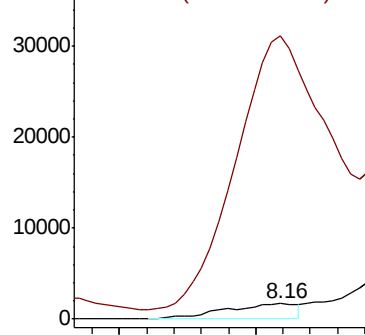
#42
 1,2-Dichloroethane
 Concen: 0.208 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. 0.04 min
 Lab File: VN053136.D
 Acq: 22 Dec 2018 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)ME

Tot Ion: 62 Resp: 3190
 Ion Ratio Lower Upper
 62 100
 98 2266.7 0.0 19.0#

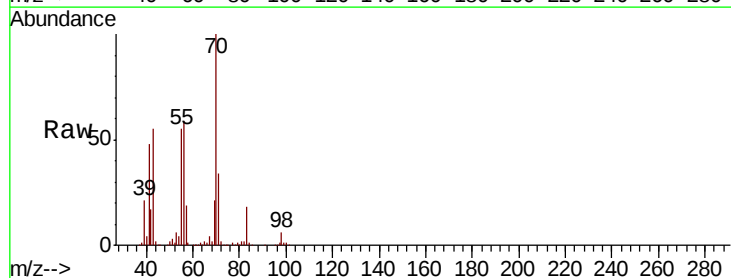


Abundance Ion 61.90 (61.60 to 62.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO

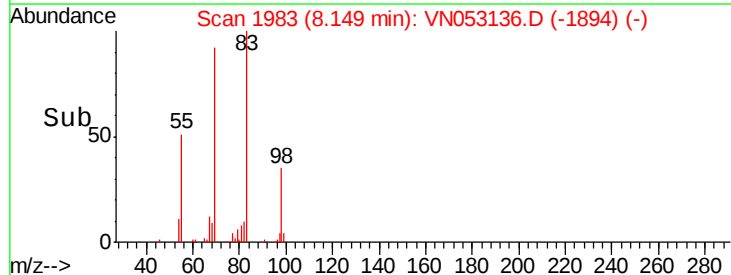
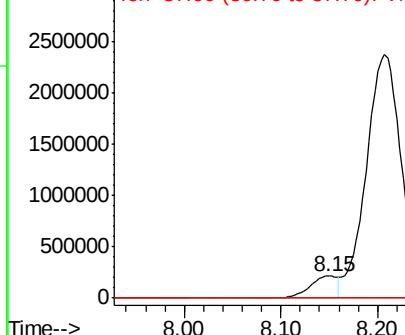


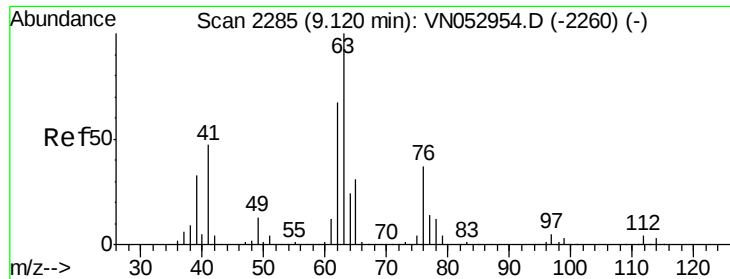
#43
 Isopropyl Acetate
 Concen: 22.498 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.01 min
 Lab File: VN053136.D
 Acq: 22 Dec 2018 16:45

Tgt Ion: 43 Resp: 435435
 Ion Ratio Lower Upper
 43 100
 61 0.2 22.9 34.3#
 87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.805 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. 0.02 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

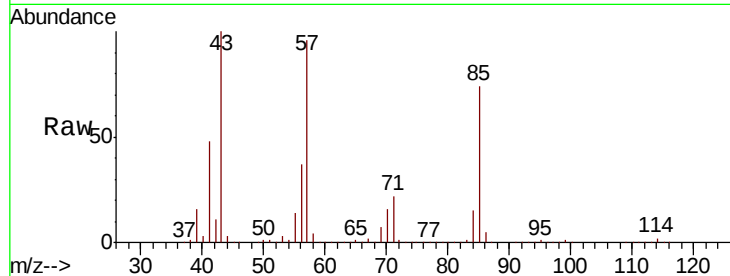
KY001SB106-121218-(22-24)ME

Tot Ion: 63 Resp: 10895

Ion Ratio Lower Upper

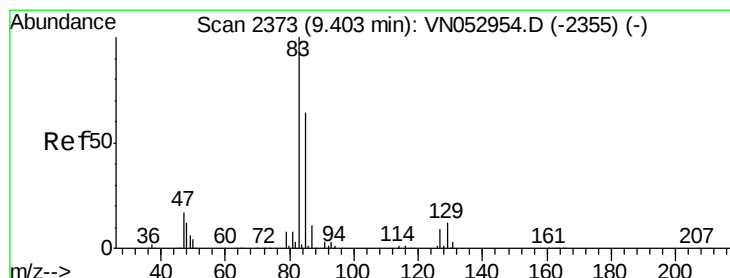
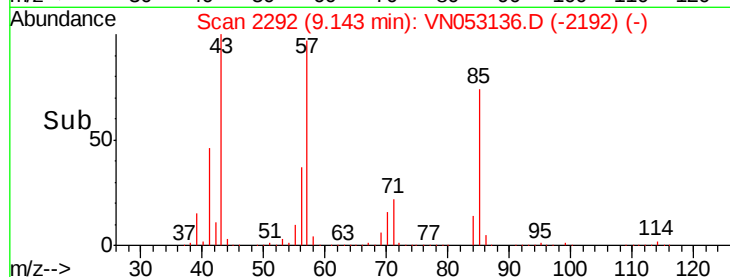
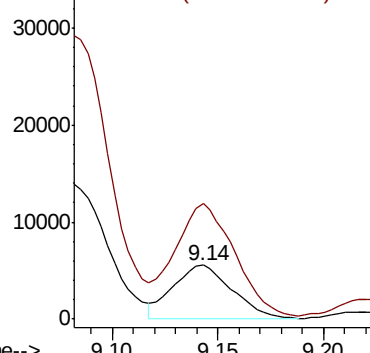
63 100

65 205.8 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#47

Bromodichloromethane

Concen: 11.981 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

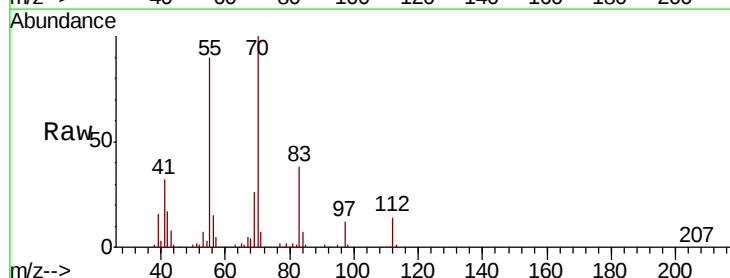
Tgt Ion: 83 Resp: 200807

Ion Ratio Lower Upper

83 100

85 1.3 51.6 77.4#

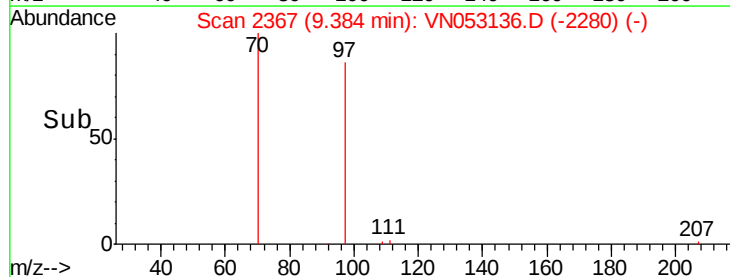
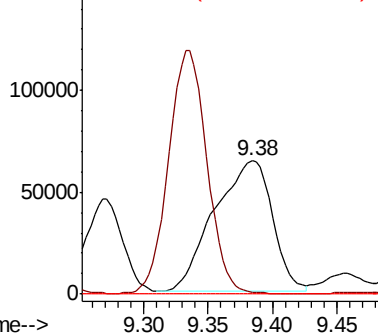
127 0.0 7.1 10.7#

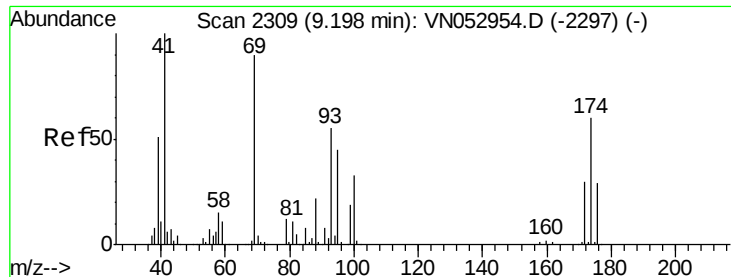


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

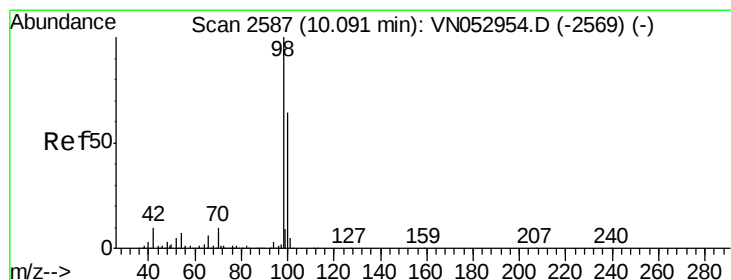
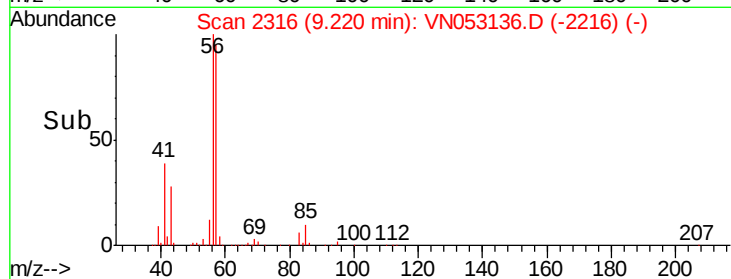
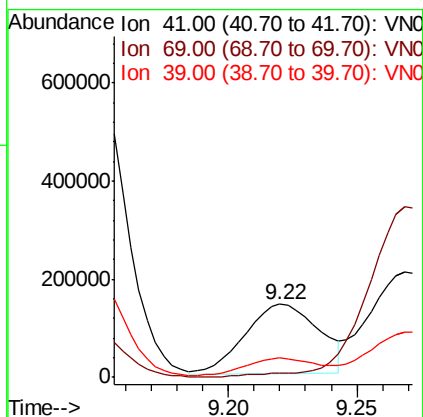
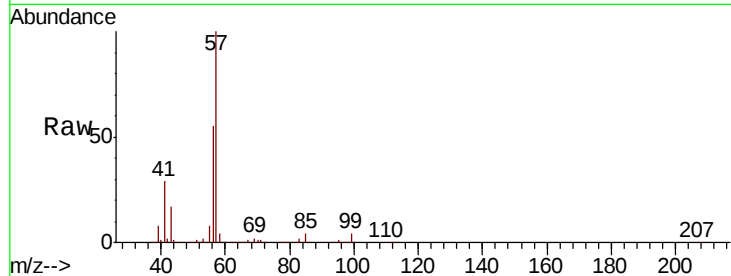




#48
Methvl methacrylate
Concen: 30.302 ug/l
RT: 9.22 min Scan# 2316
Delta R.T. 0.02 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

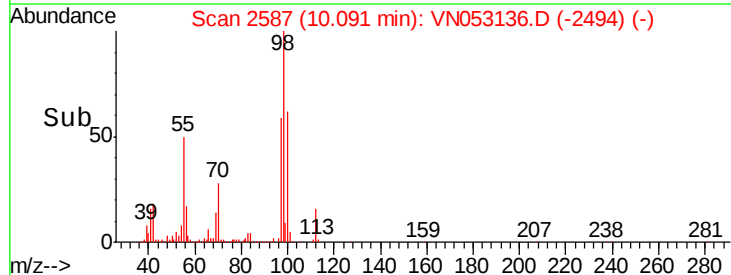
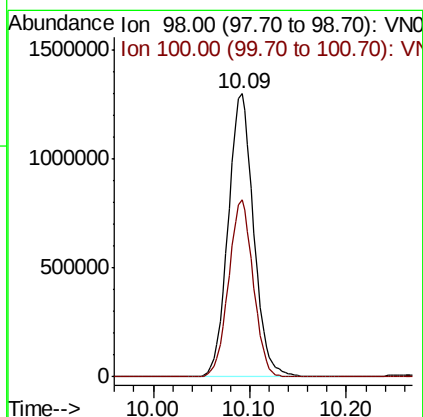
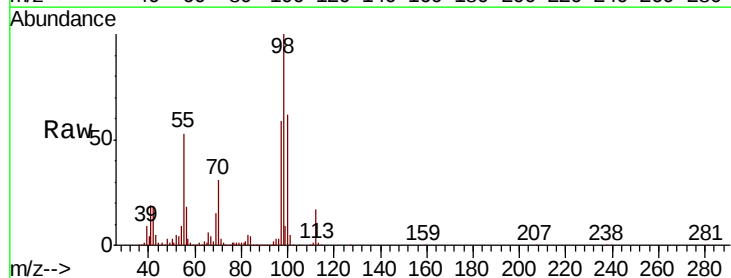
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)ME

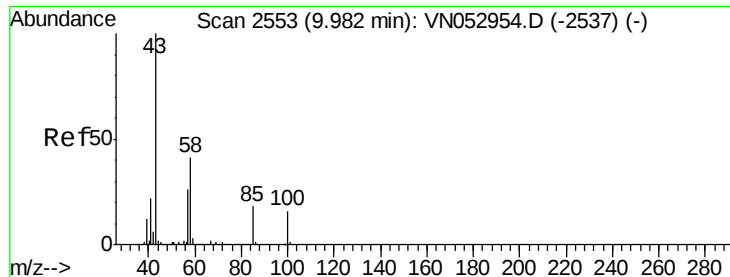
Tot Ion: 41 Resp: 286760
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 22.8 41.9 62.9#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Tgt Ion: 98 Resp: 2373814
Ion Ratio Lower Upper
98 100
100 60.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 93.381 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

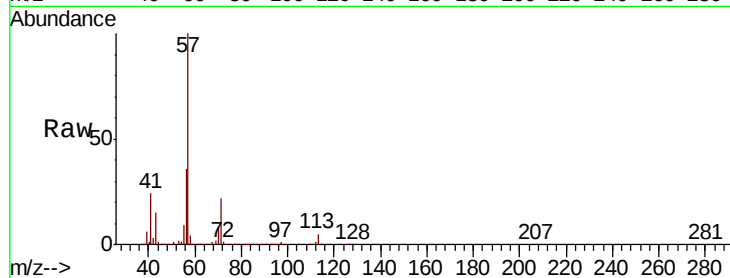
KY001SB106-121218-(22-24)ME

Tot Ion: 43 Resp: 881914

Ion Ratio Lower Upper

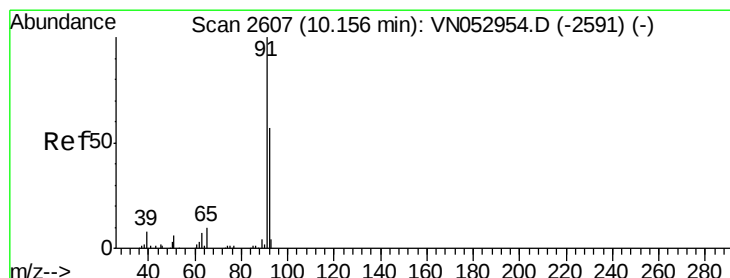
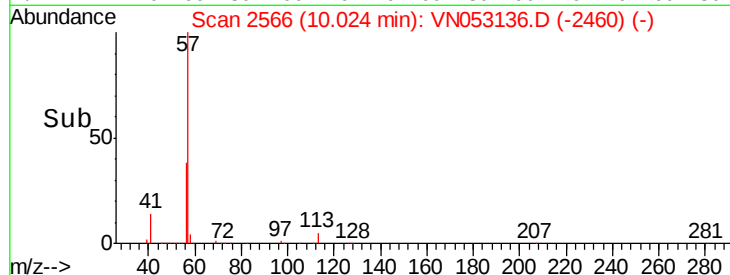
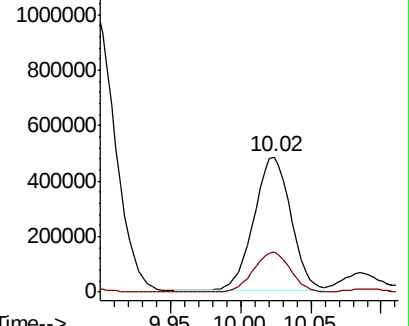
43 100

58 29.3 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053136.D (-2566) (-)

Ion 58.00 (57.70 to 58.70): VN053136.D (-2566) (-)



#52

Toluene

Concen: 1.783 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053136.D

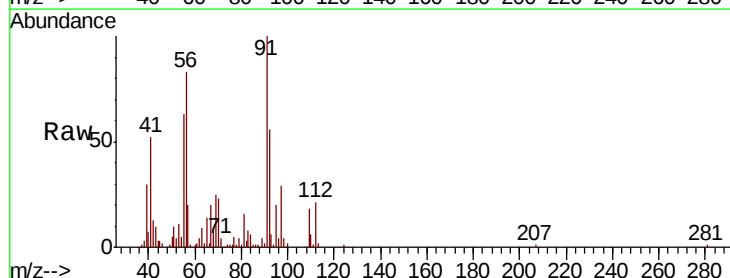
Acq: 22 Dec 2018 16:45

Tgt Ion: 92 Resp: 57417

Ion Ratio Lower Upper

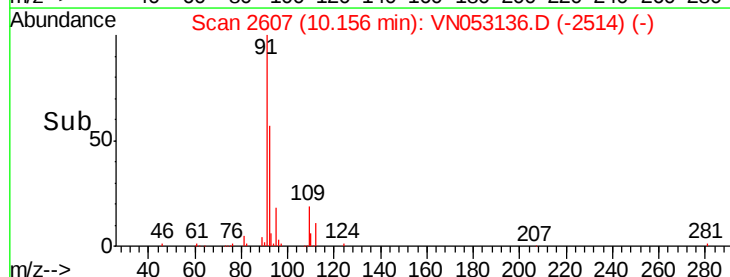
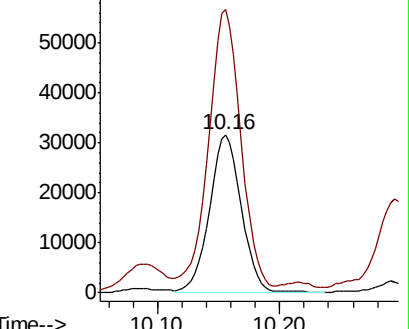
92 100

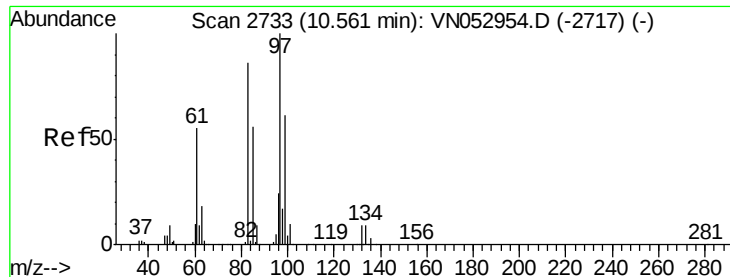
91 176.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN053136.D (-2607) (-)

Ion 91.00 (90.70 to 91.70): VN053136.D (-2607) (-)

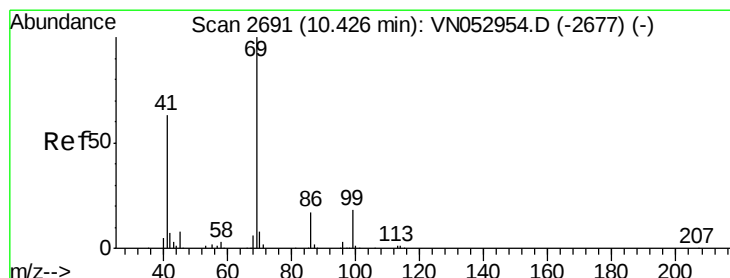
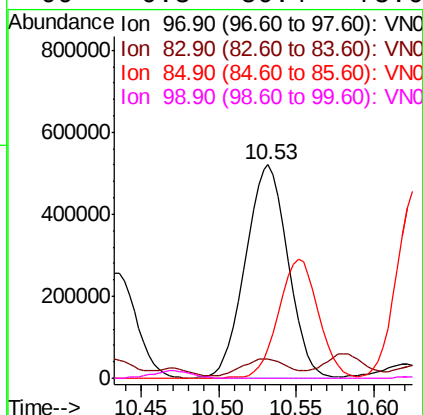
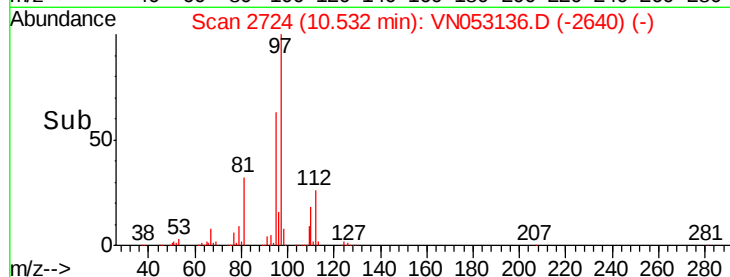
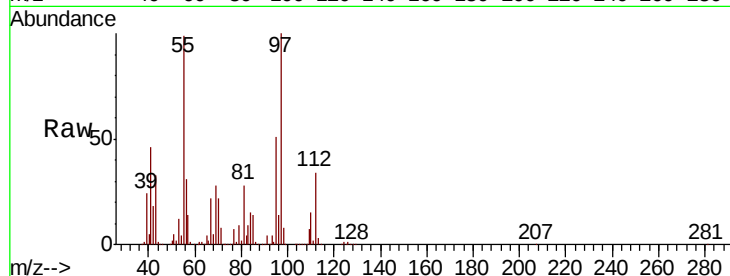




#55
 1,1,2-Trichloroethane
 Concen: 87.989 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN053136.D
 Acq: 22 Dec 2018 16:45

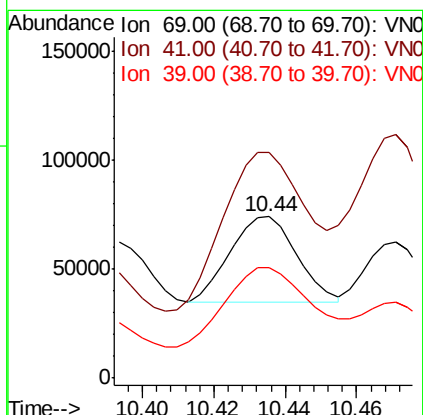
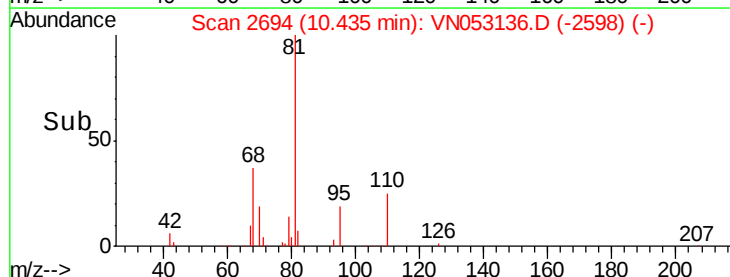
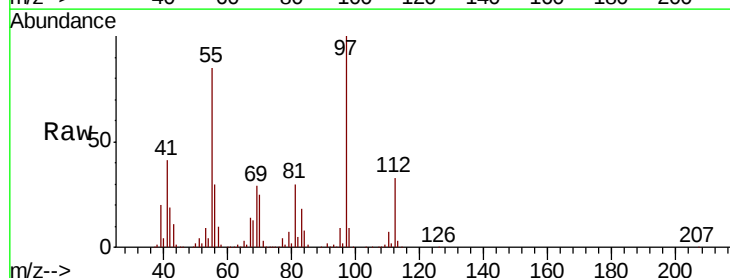
Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)ME

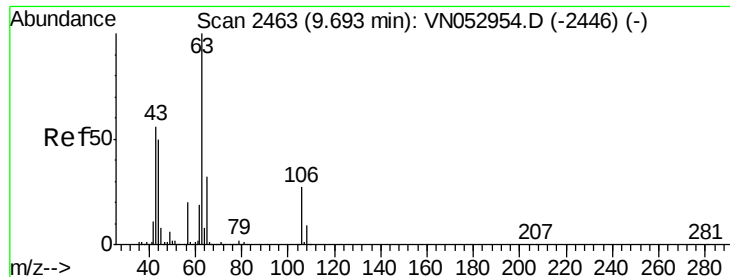
Tot Ion: 97 Resp: 988667
 Ion Ratio Lower Upper
 97 100
 83 6.0 70.9 106.3#
 85 13.9 45.4 68.2#
 99 0.3 50.4 75.6#



#56
 Ethyl methacrylate
 Concen: 3.389 ug/l
 RT: 10.44 min Scan# 2694
 Delta R.T. 0.01 min
 Lab File: VN053136.D
 Acq: 22 Dec 2018 16:45

Tgt Ion: 69 Resp: 50405
 Ion Ratio Lower Upper
 69 100
 41 236.4 51.7 77.5#
 39 143.5 24.6 37.0#

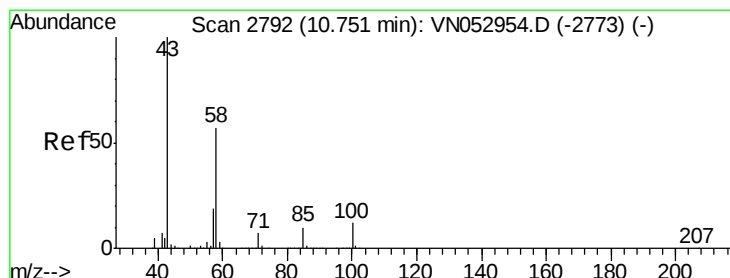
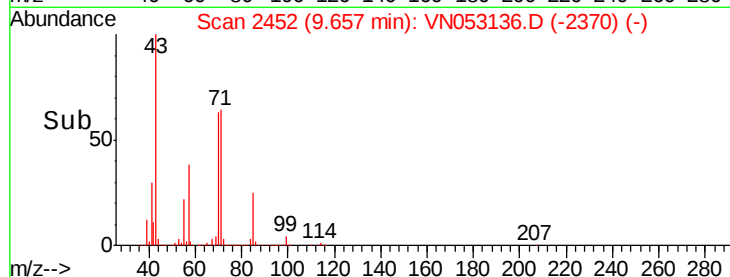
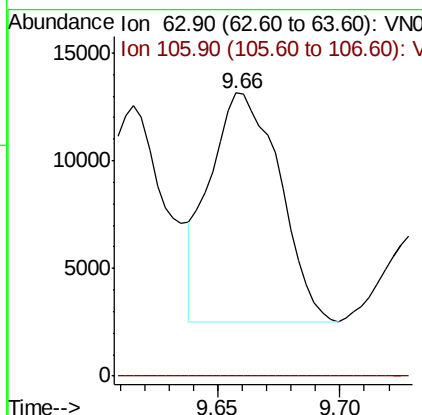
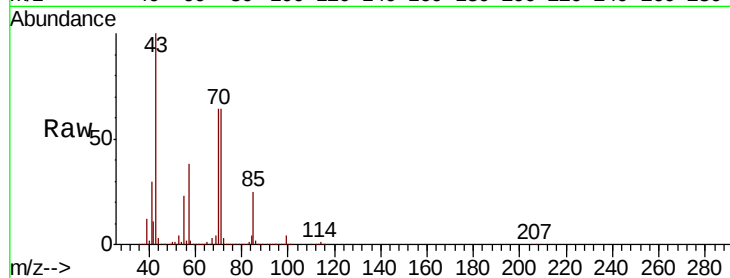




#58
2-Chloroethyl Vinyl ether
Concen: 2.584 ug/l
RT: 9.66 min Scan# 2452
Delta R.T. -0.04 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

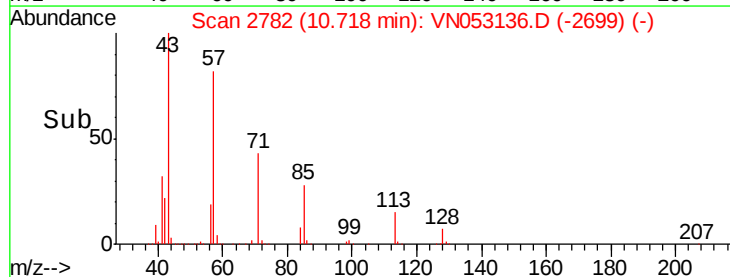
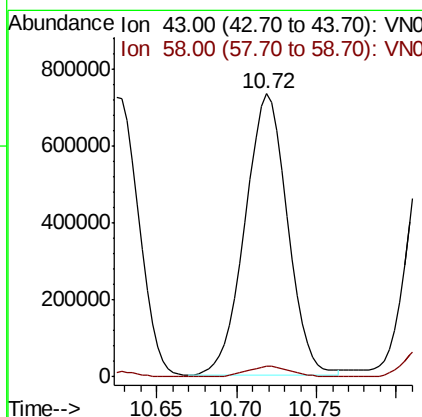
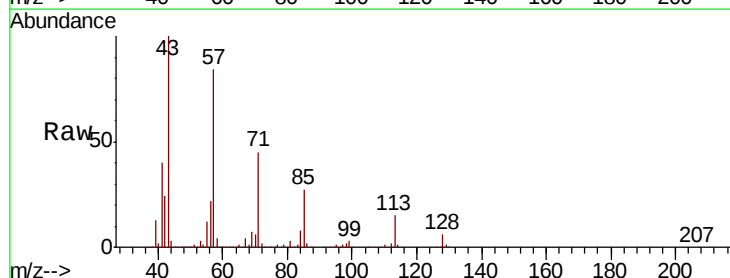
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)ME

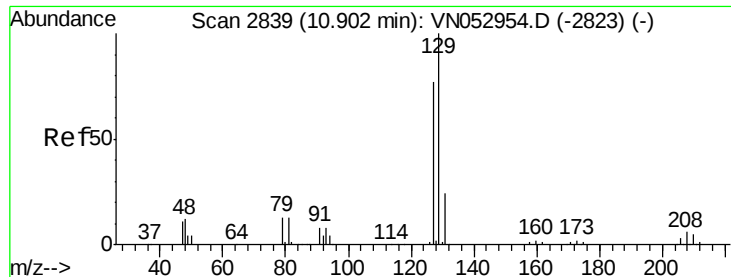
Tot Ion: 63 Resp: 21100
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.6#



#59
2-Hexanone
Concen: 207.797 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Tgt Ion: 43 Resp: 1327785
Ion Ratio Lower Upper
43 100
58 4.1 28.1 84.3#

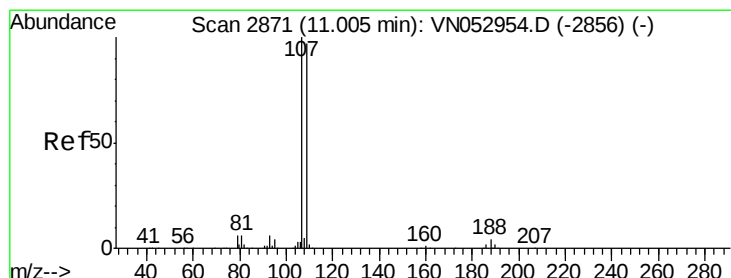
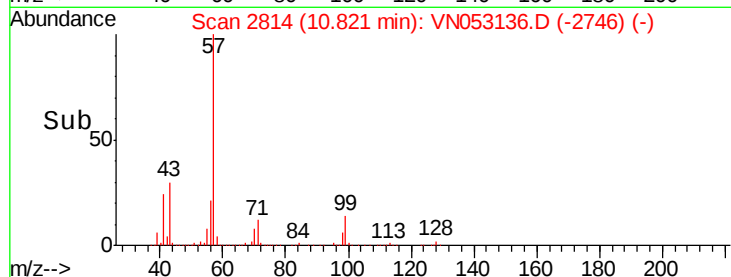
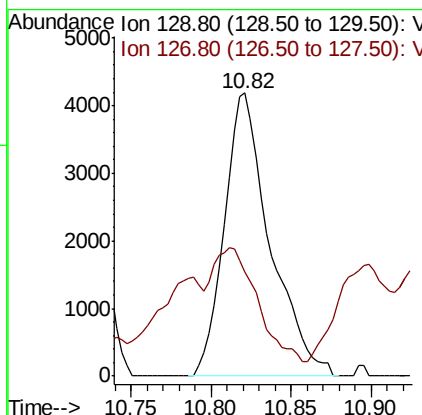
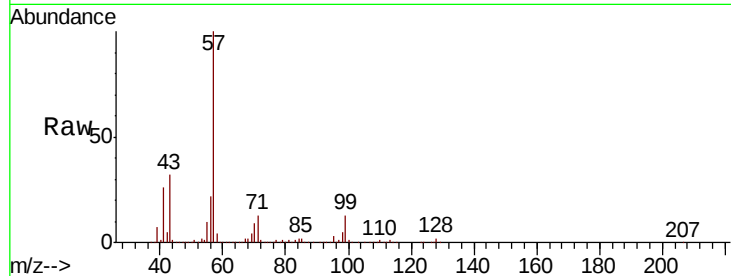




#60
Dibromochloromethane
Concen: 0.635 ug/l
RT: 10.82 min Scan# 2814
Delta R.T. -0.08 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

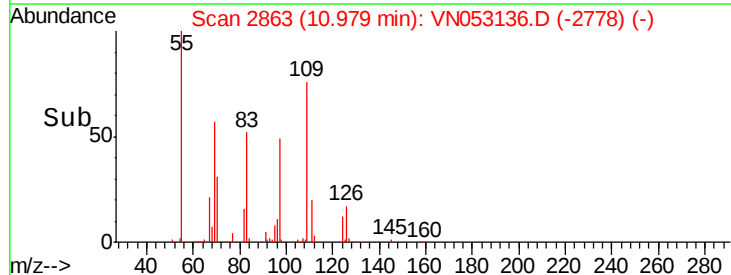
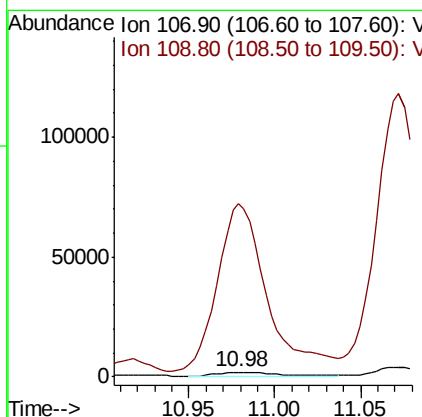
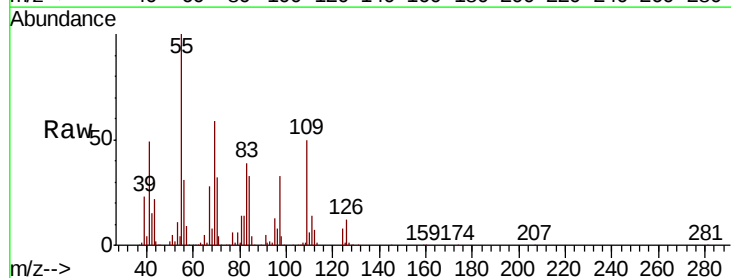
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)ME

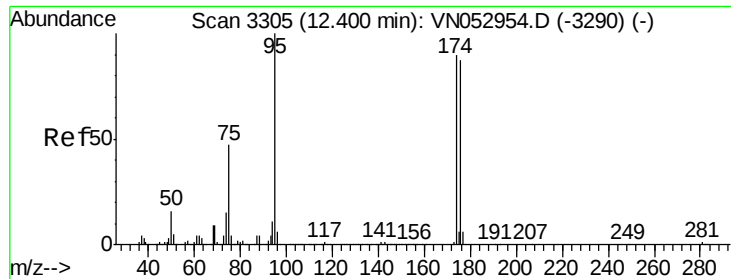
Tot Ion:129 Resp: 8171
Ion Ratio Lower Upper
129 100
127 39.8 38.6 116.0



#61
1,2-Dibromoethane
Concen: 0.403 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. -0.03 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Tgt Ion:107 Resp: 4603
Ion Ratio Lower Upper
107 100
109 3062.5 75.4 113.0#





#62

4-Bromofluorobenzene

Concen: 0.403 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)ME

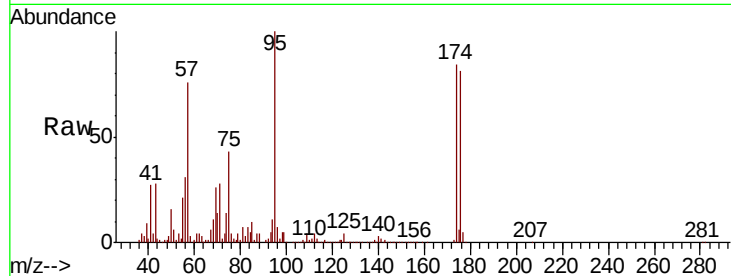
Tot Ion: 95 Resp: 736519

Ion Ratio Lower Upper

95 100

174 84.4 0.0 178.8

176 82.3 0.0 173.8

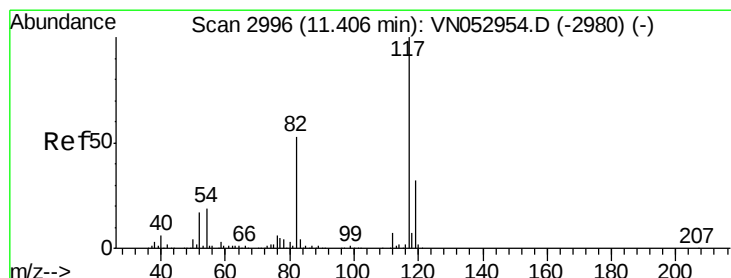
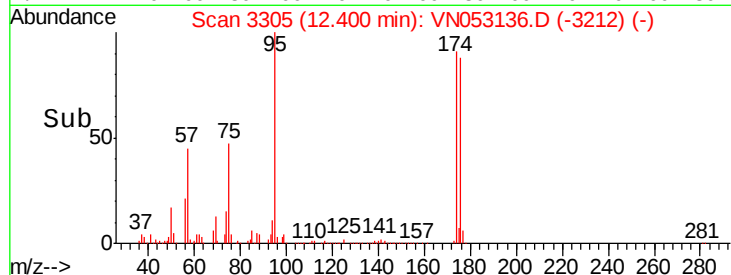
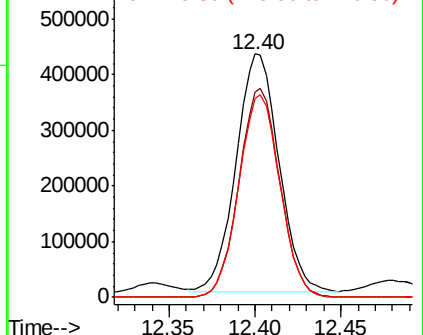


Abundance

Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

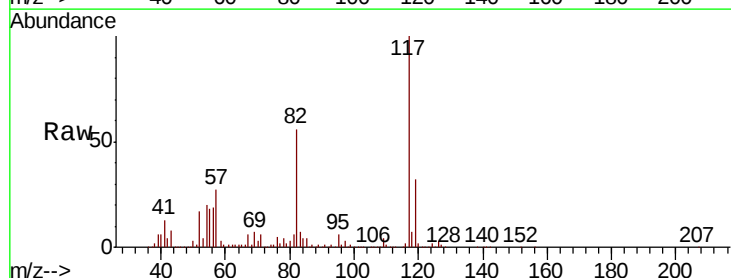
Tgt Ion: 117 Resp: 1527477

Ion Ratio Lower Upper

117 100

82 50.9 42.8 64.2

119 32.1 25.5 38.3

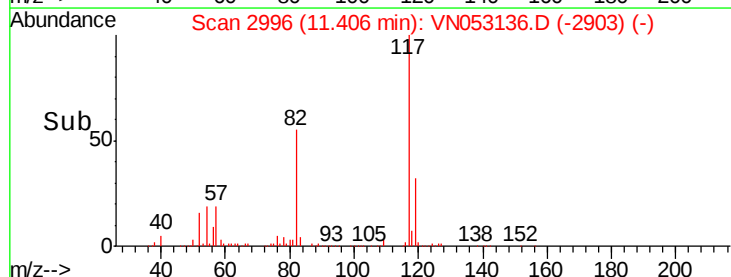
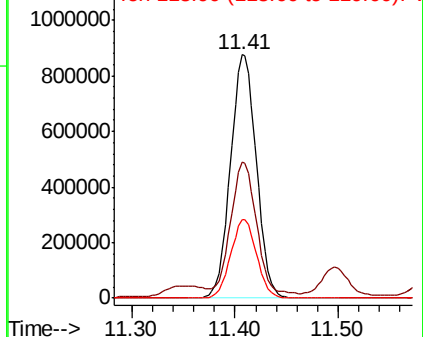


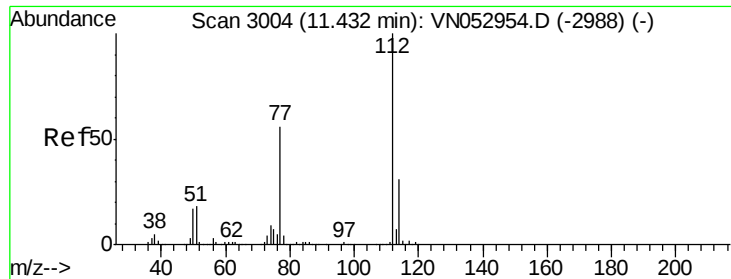
Abundance

Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

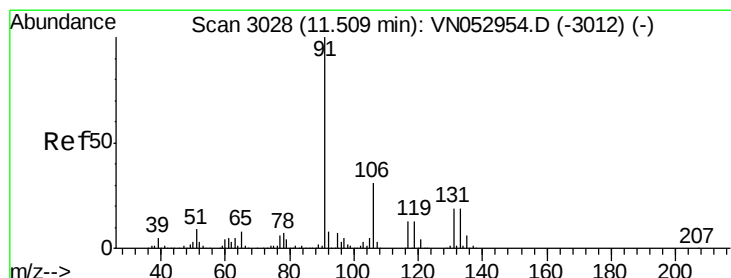
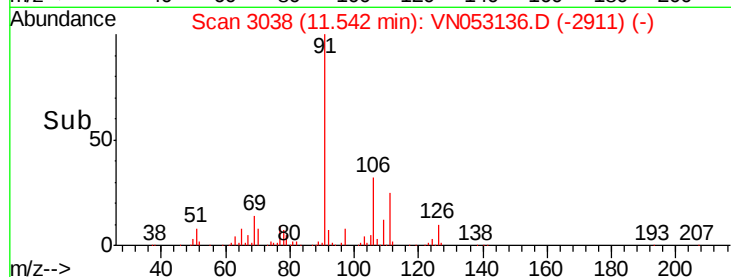
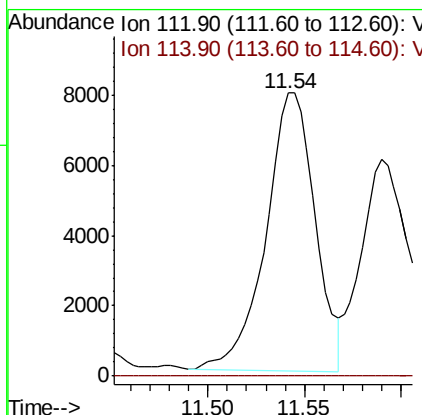
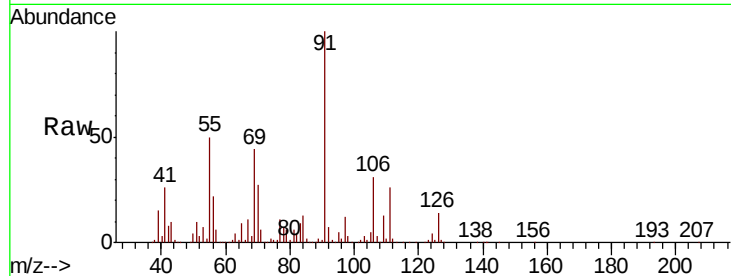




#65
Chlorobenzene
Concen: 0.417 ug/l
RT: 11.54 min Scan# 3038
Delta R.T. 0.11 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

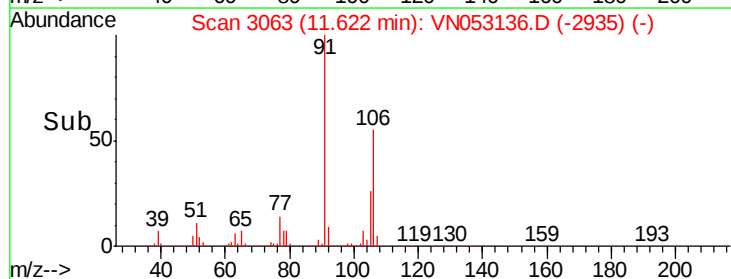
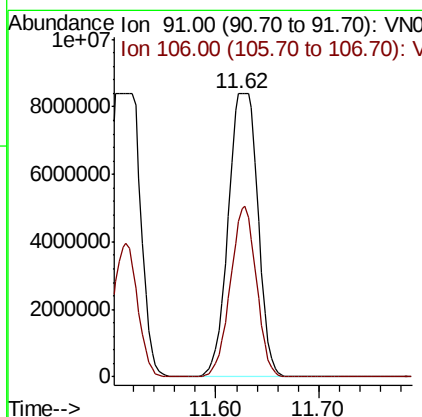
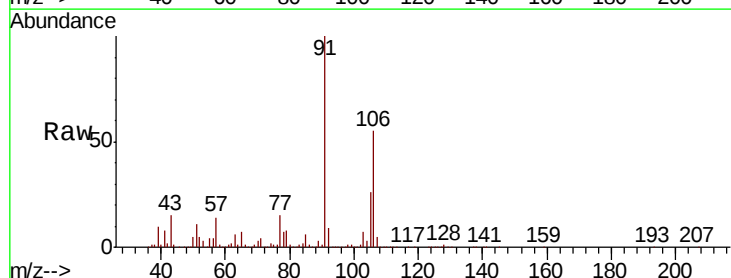
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)ME

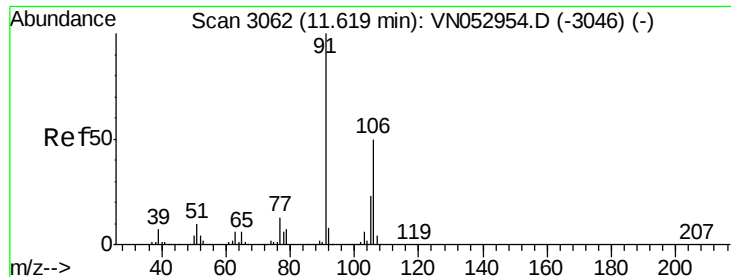
Tot Ion:112 Resp: 14125
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#



#67
Ethyl Benzene
Concen: 288.371 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.11 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Tgt Ion: 91 Resp:16791870
Ion Ratio Lower Upper
91 100
106 54.8 24.9 37.3#

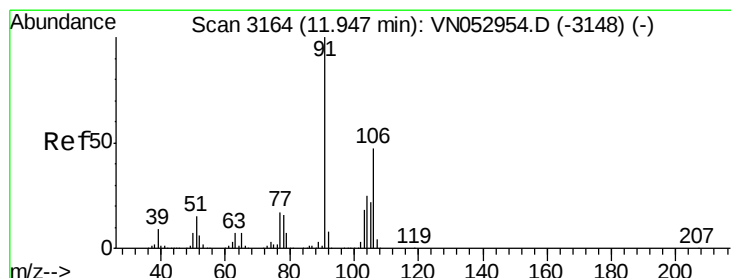
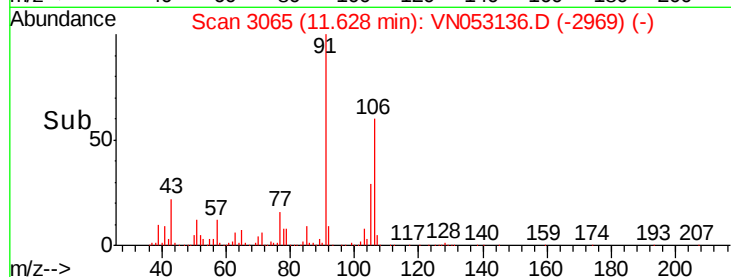
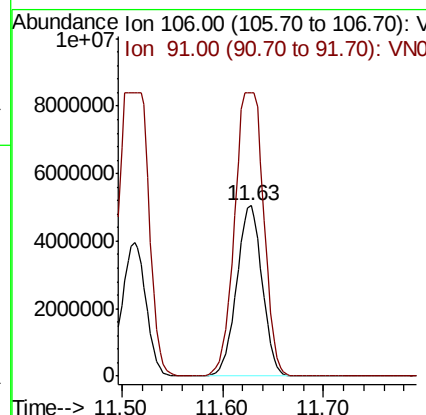
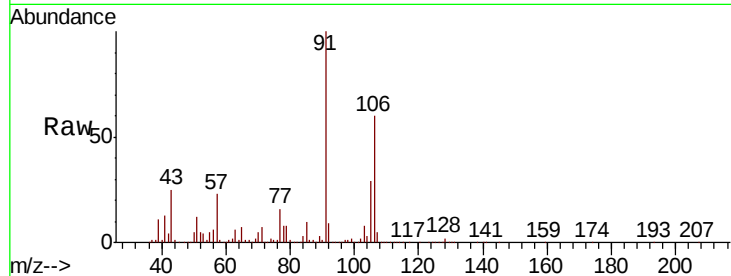




#68
m/p-Xylenes
Concen: 401.525 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

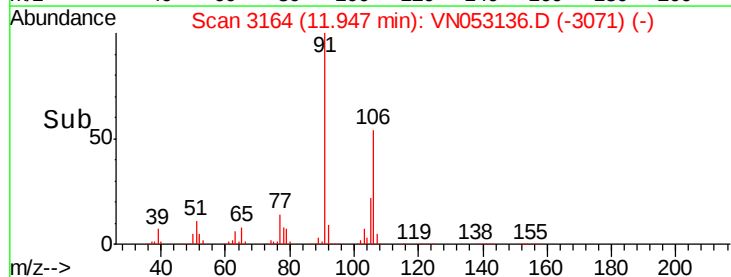
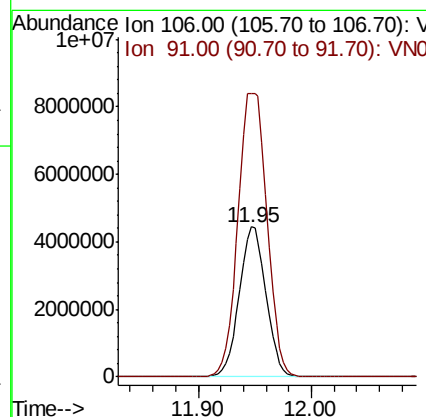
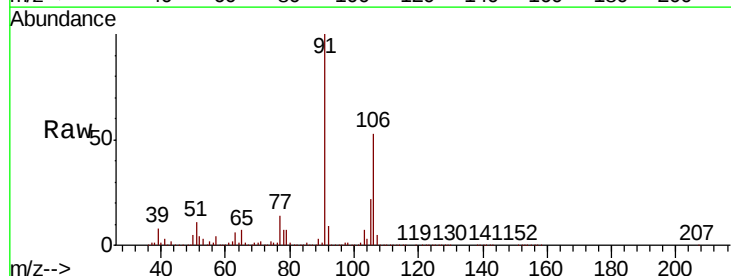
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)ME

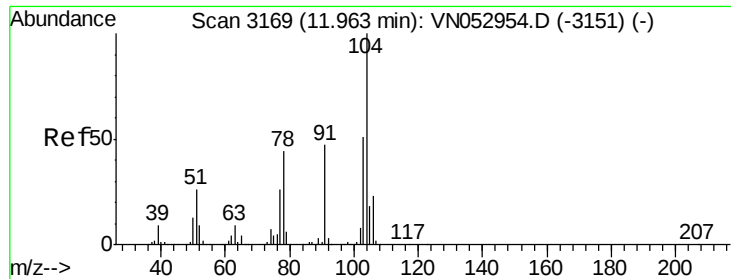
Tot Ion:106 Resp: 8888390
Ion Ratio Lower Upper
106 100
91 188.9 162.2 243.4



#69
o-Xylene
Concen: 342.984 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Tgt Ion:106 Resp: 7285605
Ion Ratio Lower Upper
106 100
91 206.1 106.6 319.8





#70

Stvrene

Concen: 10.034 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)ME

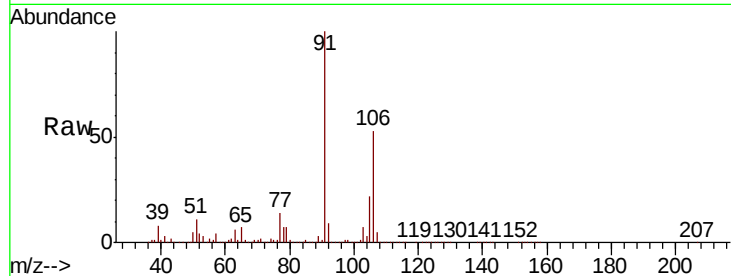
Tot Ion:104 Resp: 347546

Ion Ratio Lower Upper

104 100

78 284.7 38.9 58.3#

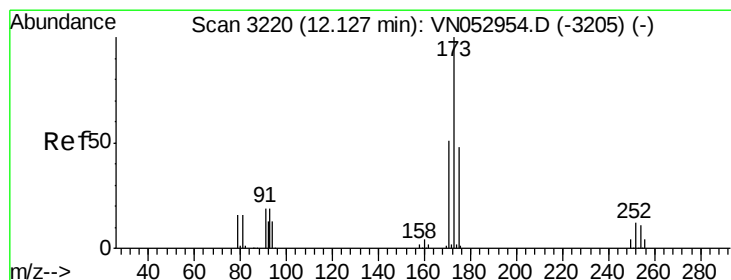
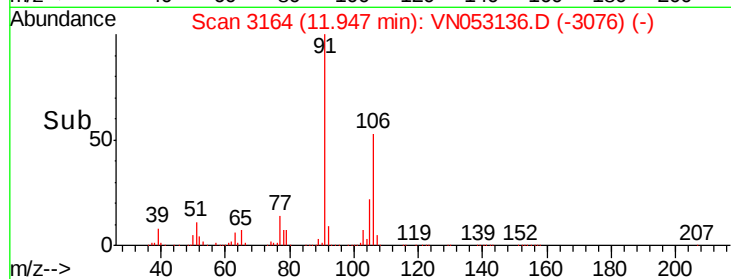
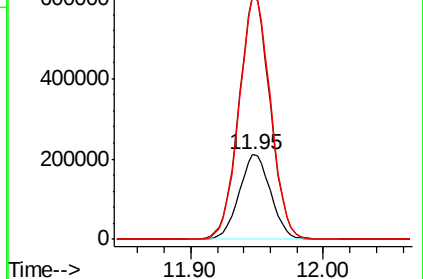
103 285.6 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.478 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

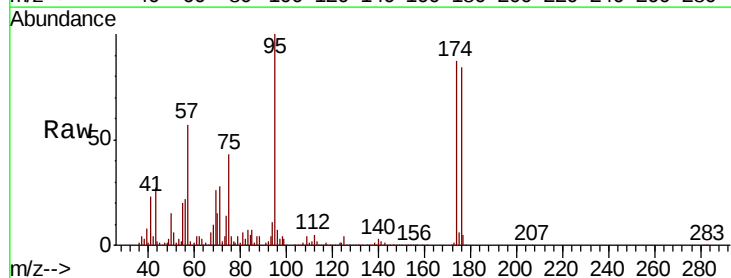
Tgt Ion:173 Resp: 4066

Ion Ratio Lower Upper

173 100

175 939.3 24.3 72.9#

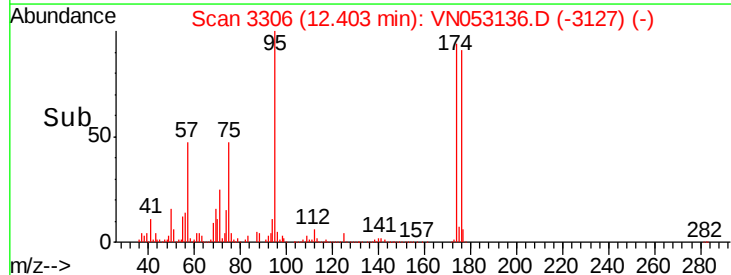
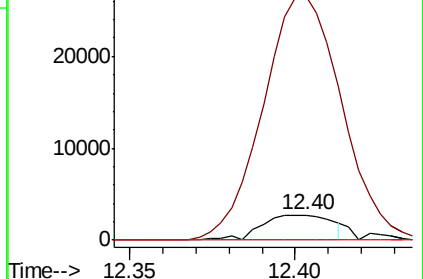
254 0.0 0.1 0.1#

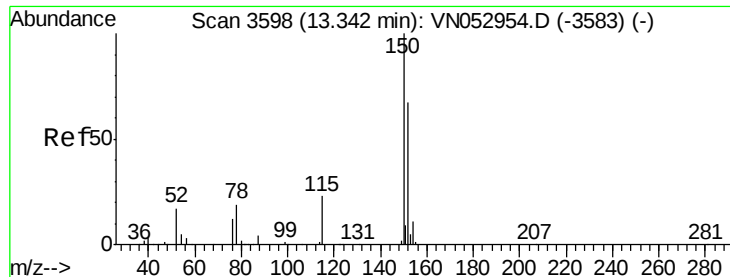


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

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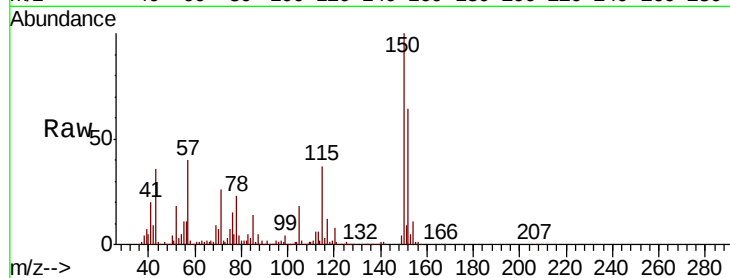
Tot Ion:152 Resp: 707599

Ion Ratio Lower Upper

152 100

115 52.7 28.3 85.0

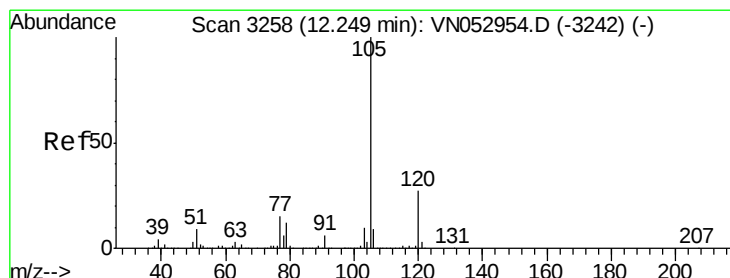
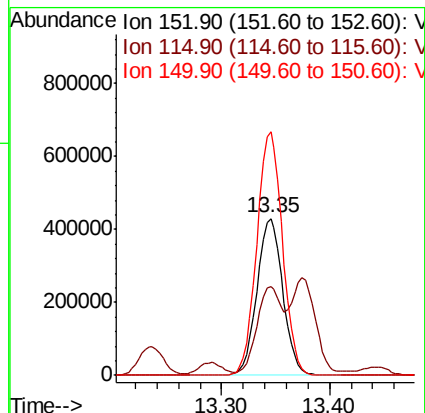
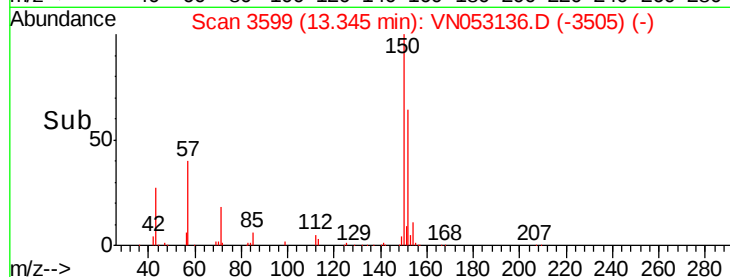
150 155.3 0.0 347.8



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



#73

Isopropylbenzene

Concen: 128.242 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053136.D

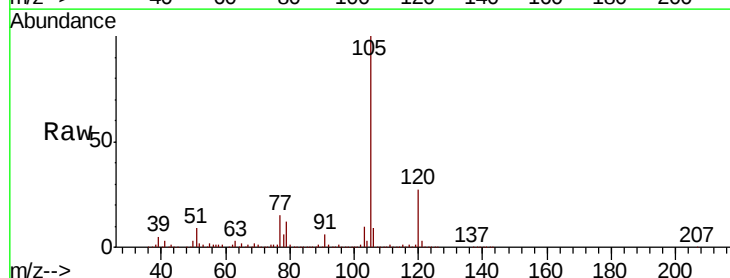
Acq: 22 Dec 2018 16:45

Tgt Ion:105 Resp: 7099931

Ion Ratio Lower Upper

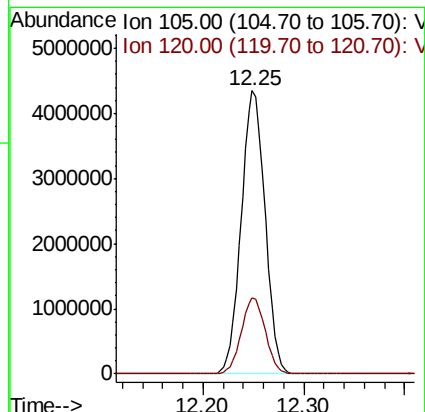
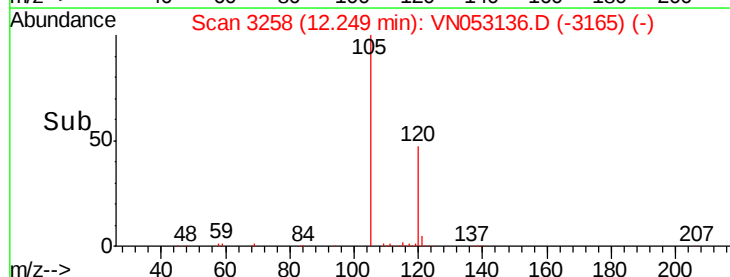
105 100

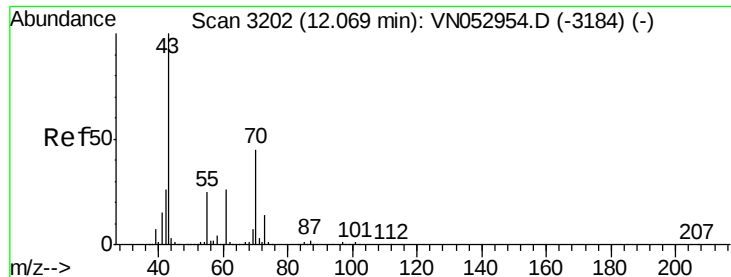
120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 35.174 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)ME

Tot Ion: 43 Resp: 540657

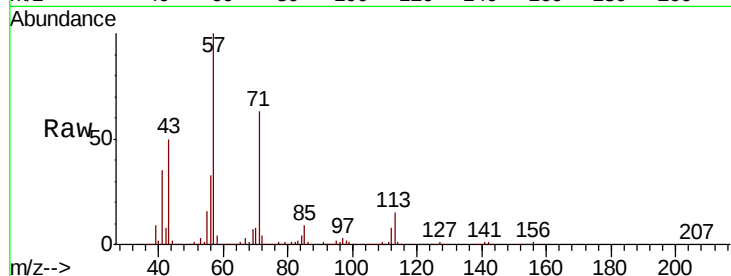
Ion Ratio Lower Upper

43 100

70 9.8 34.2 51.4#

55 5.4 20.3 30.5#

61 0.0 20.0 30.0#

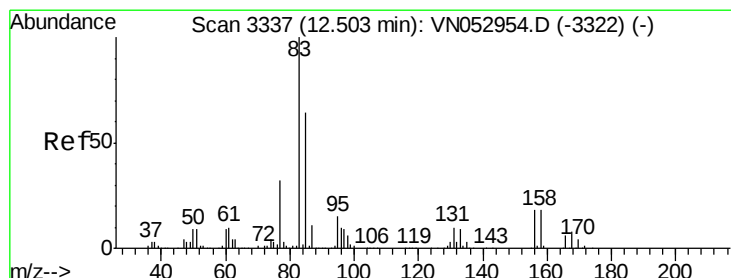
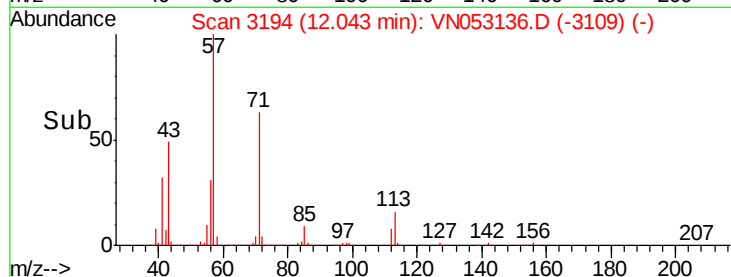
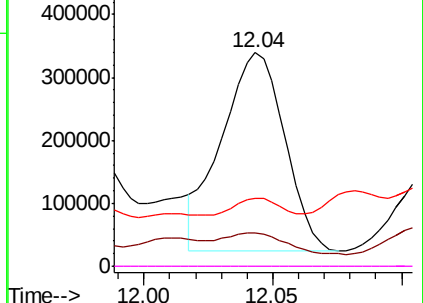


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.530 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.05 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

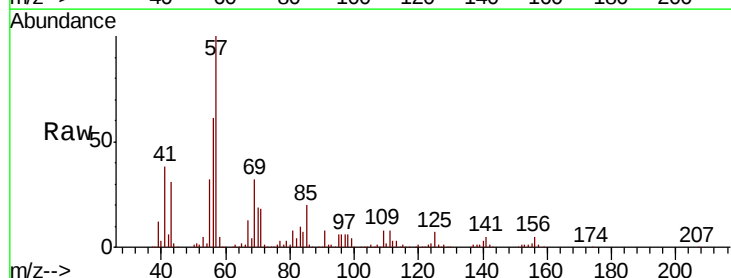
Tgt Ion: 83 Resp: 16616

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

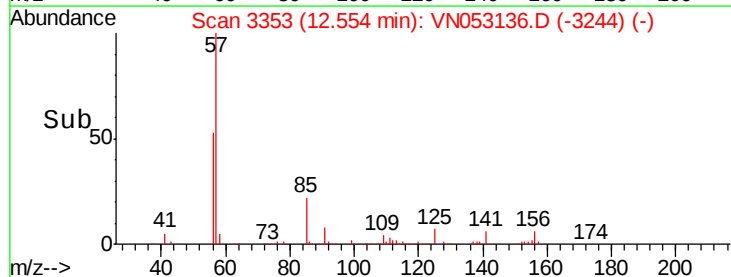
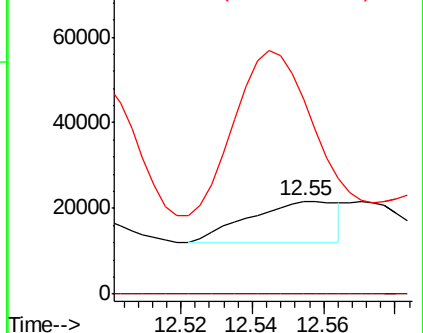
85 351.7 32.4 97.0#

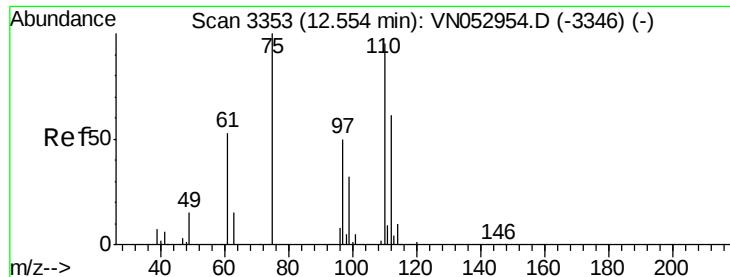


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 5.607 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

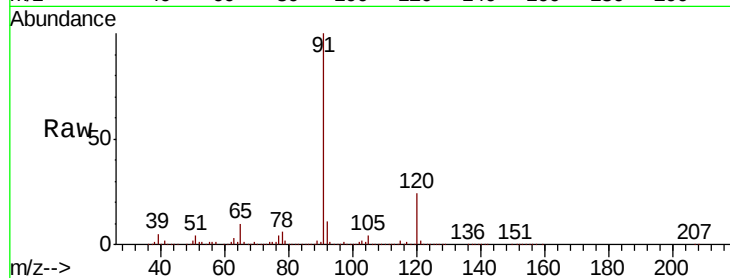
KY001SB106-121218-(22-24)ME

Tot Ion: 75 Resp: 66785

Ion Ratio Lower Upper

75 100

77 716.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN052954.D (-3346) (-)

800000

600000

400000

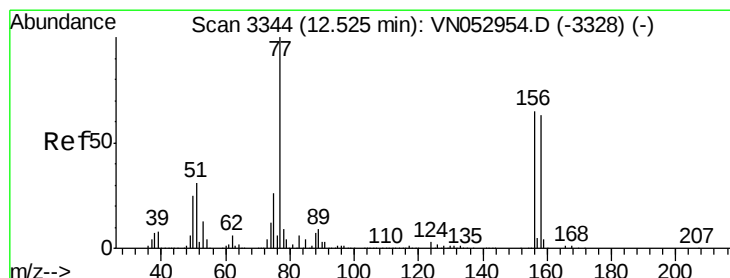
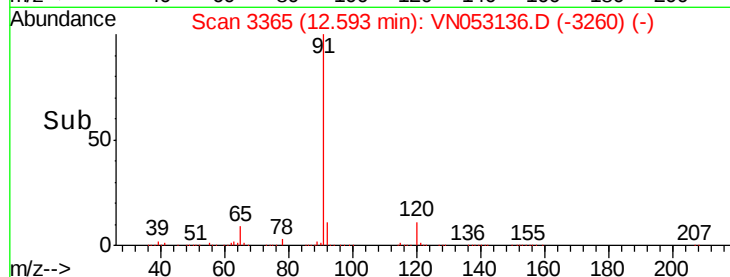
200000

0

12.55 12.60

12.59

Time-->



#77

Bromobenzene

Concen: 2.368 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.03 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

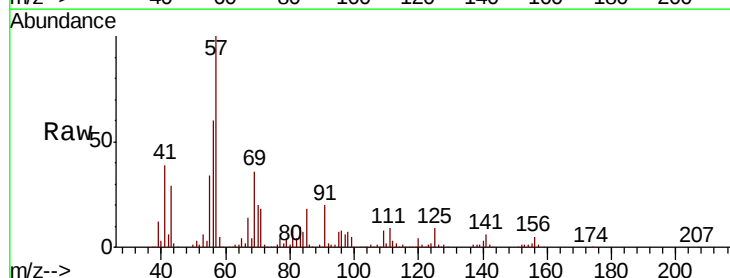
Tgt Ion: 156 Resp: 34073

Ion Ratio Lower Upper

156 100

77 0.0 91.3 273.8#

158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): VN052954.D (-3328) (-)

Ion 77.00 (76.70 to 77.70): VN052954.D (-3328) (-)

Ion 157.80 (157.50 to 158.50): VN052954.D (-3328) (-)

400000

300000

200000

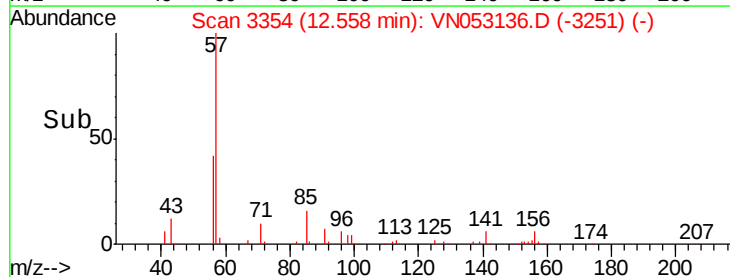
100000

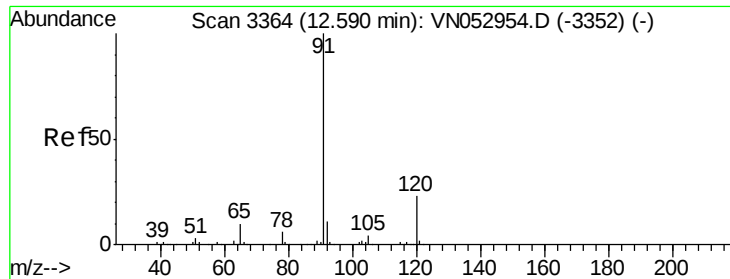
0

12.40 12.50 12.60

12.56

Time-->





#78

n-propylbenzene

Concen: 201.161 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

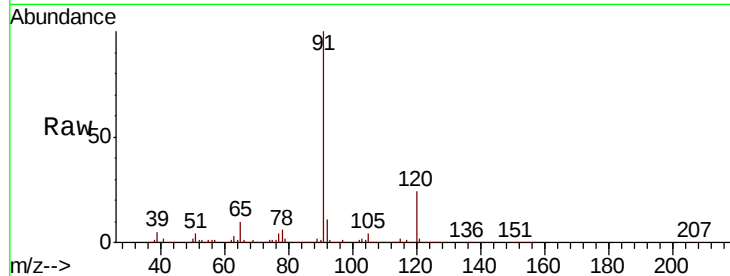
KY001SB106-121218-(22-24)ME

Tot Ion: 91 Resp:12683967

Ion Ratio Lower Upper

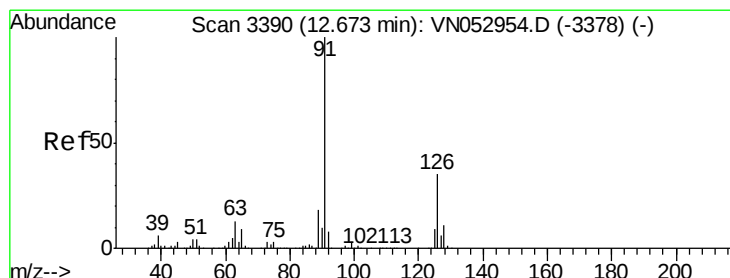
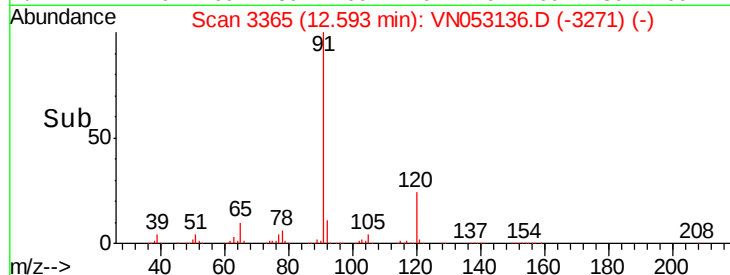
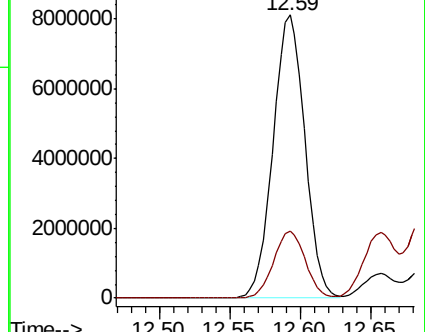
91 100

120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3352) (-)



#79

2-Chlorotoluene

Concen: 27.627 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053136.D

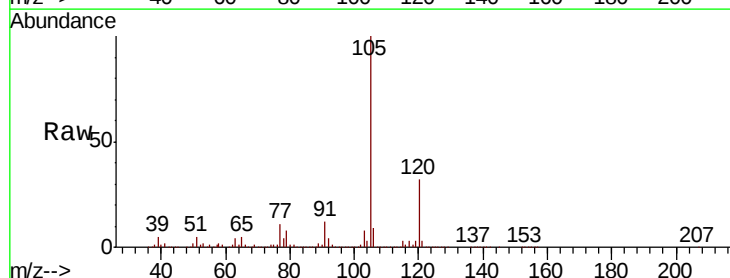
Acq: 22 Dec 2018 16:45

Tgt Ion: 91 Resp: 1079779

Ion Ratio Lower Upper

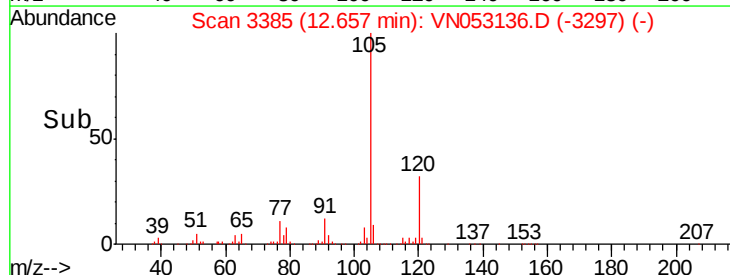
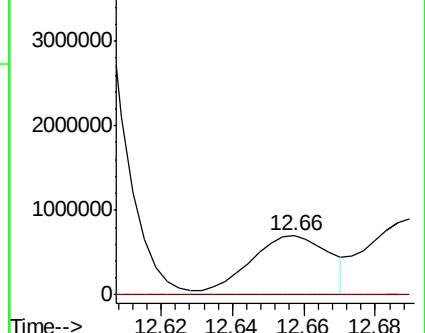
91 100

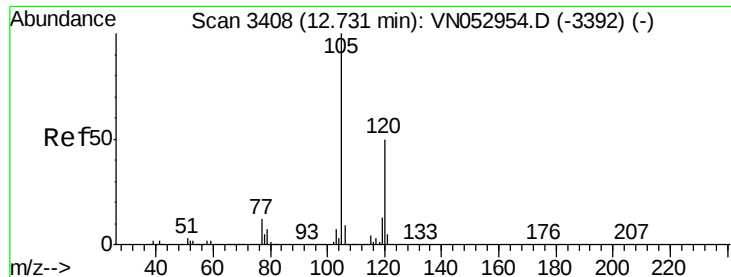
126 0.2 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

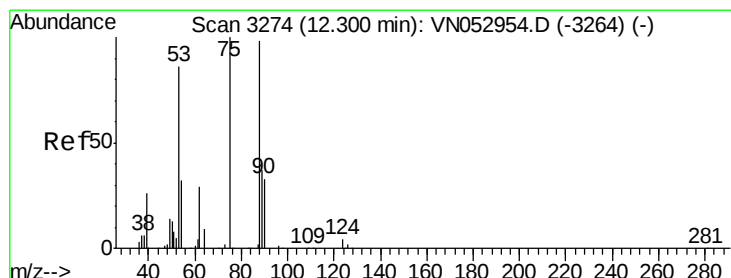
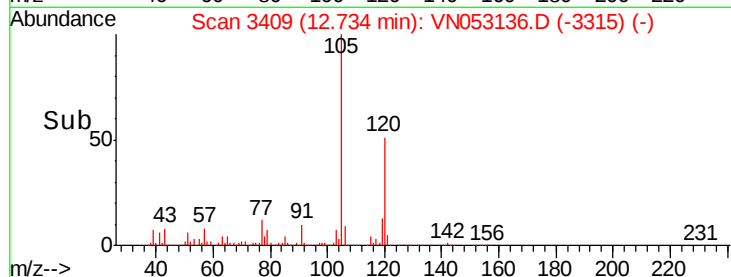
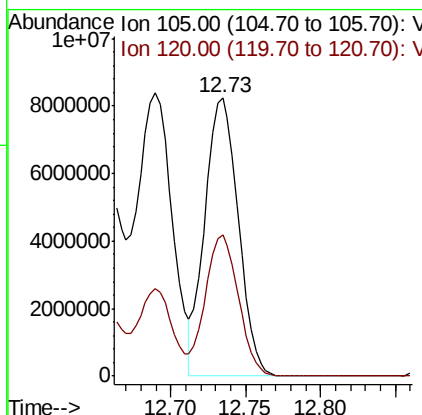
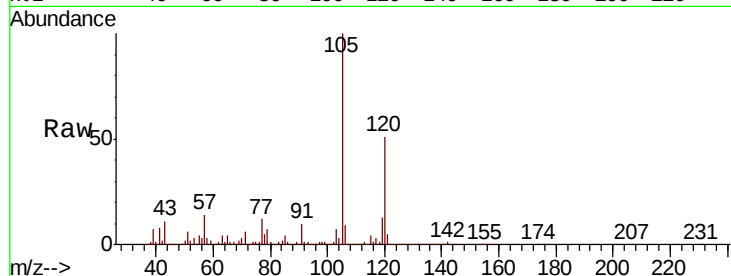




#80
 1,3,5-Trimethylbenzene
 Concen: 284.161 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053136.D
 Acq: 22 Dec 2018 16:45

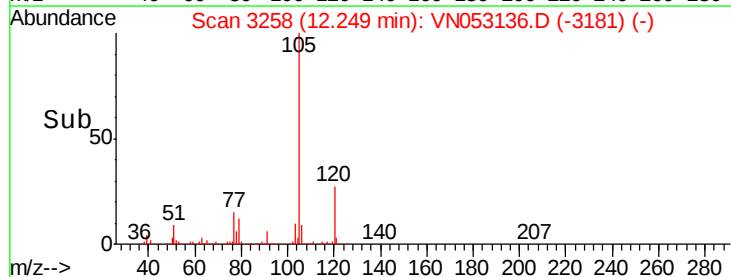
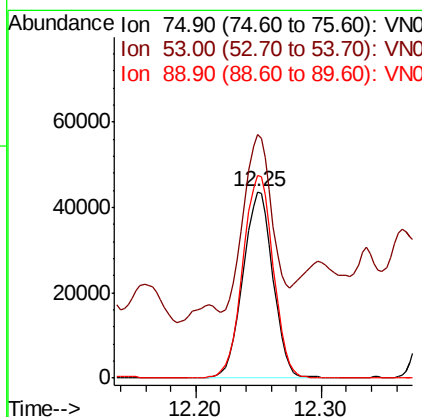
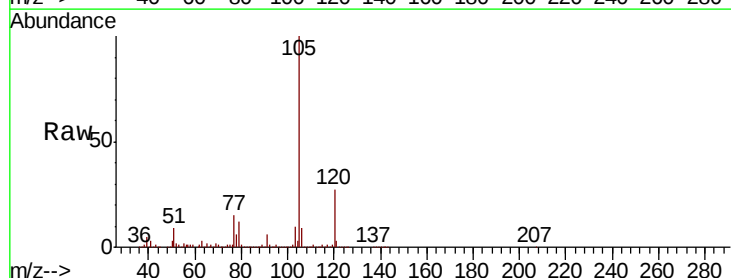
Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)ME

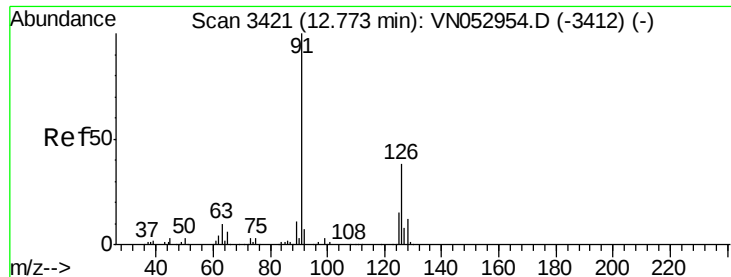
Tot Ion:105 Resp:12823057
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.636 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.05 min
 Lab File: VN053136.D
 Acq: 22 Dec 2018 16:45

Tgt Ion: 75 Resp: 72569
 Ion Ratio Lower Upper
 75 100
 53 90.9 74.7 112.1
 89 109.0 36.1 54.1#





#82

4-Chlorotoluene

Concen: 32.922 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

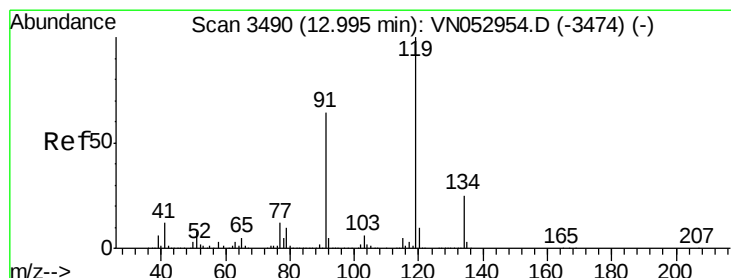
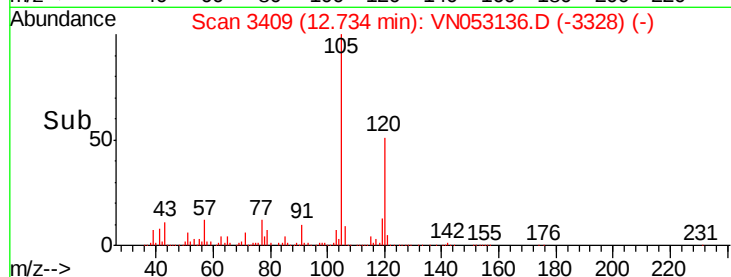
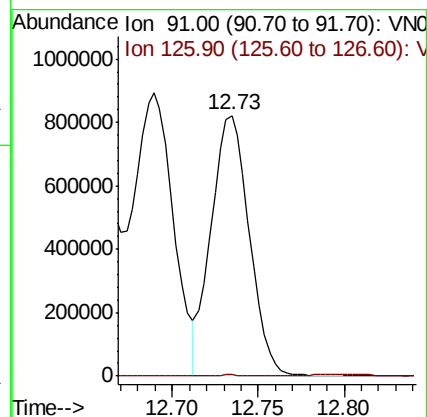
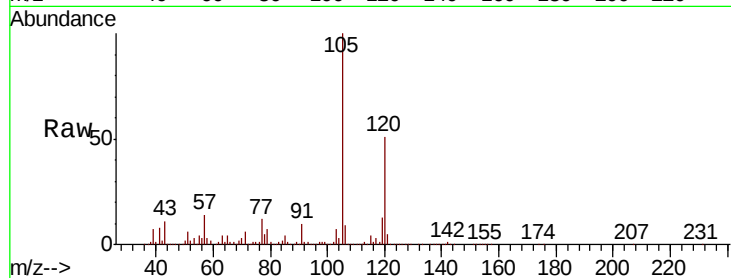
KY001SB106-121218-(22-24)ME

Tot Ion: 91 Resp: 1259563

Ion Ratio Lower Upper

91 100

126 0.5 17.3 51.7#



#83

tert-Butylbenzene

Concen: 138.005 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.05 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

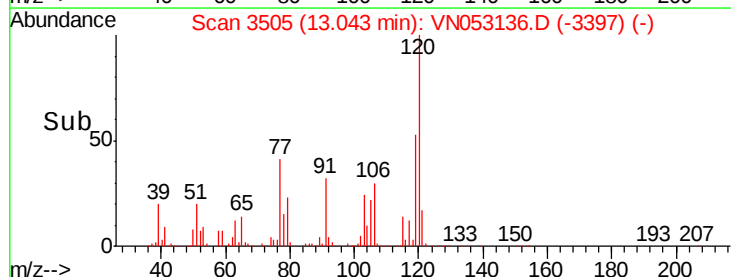
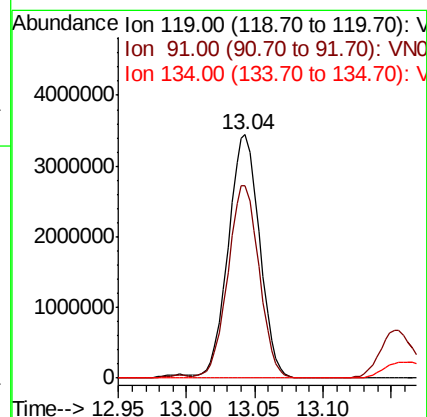
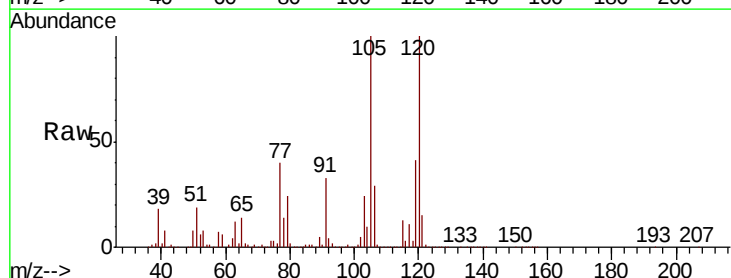
Tgt Ion: 119 Resp: 5507773

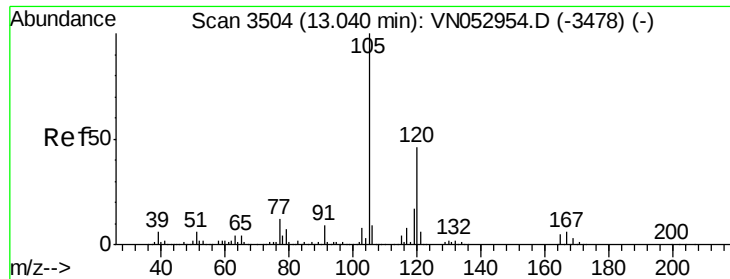
Ion Ratio Lower Upper

119 100

91 78.4 31.9 95.5

134 0.0 12.8 38.4#

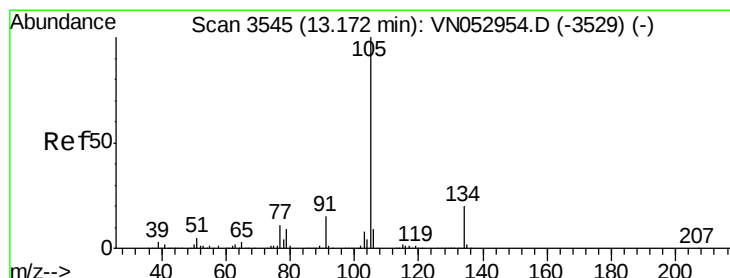
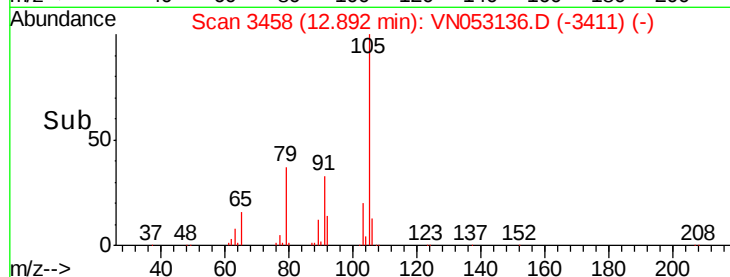
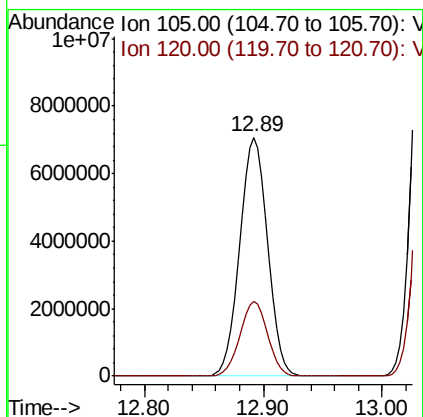
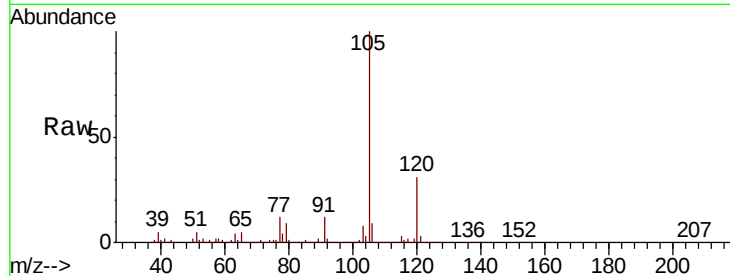




#84
1,2,4-Trimethylbenzene
Concen: 252.172 ug/l
RT: 12.89 min Scan# 3458
Delta R.T. -0.15 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

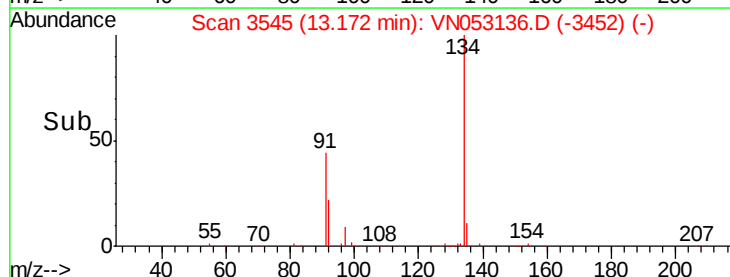
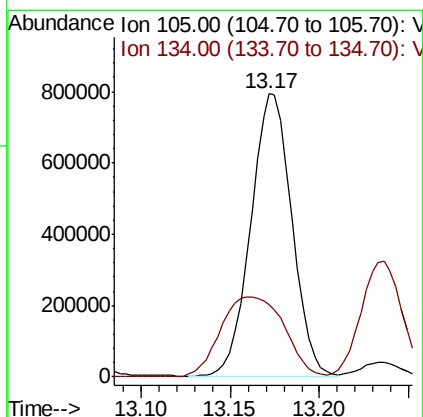
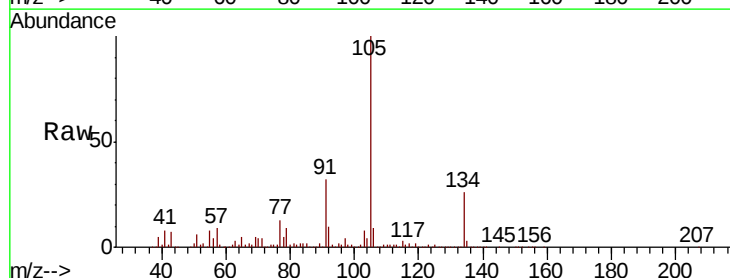
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)ME

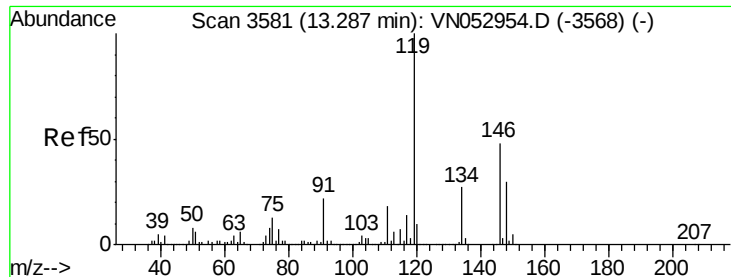
Tot Ion:105 Resp:11439617
Ion Ratio Lower Upper
105 100
120 31.2 22.9 68.8



#85
sec-Butylbenzene
Concen: 23.558 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Tgt Ion:105 Resp: 1271709
Ion Ratio Lower Upper
105 100
134 43.7 10.1 30.3#

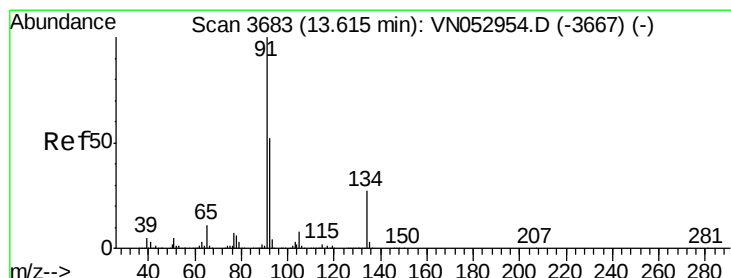
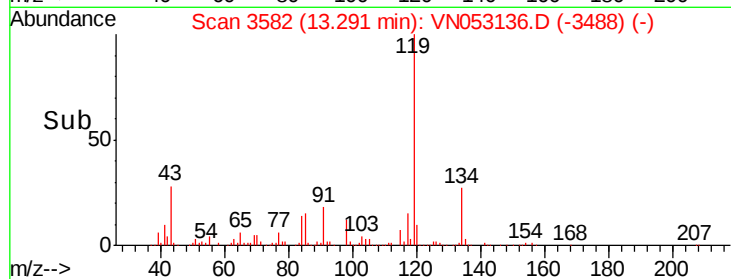
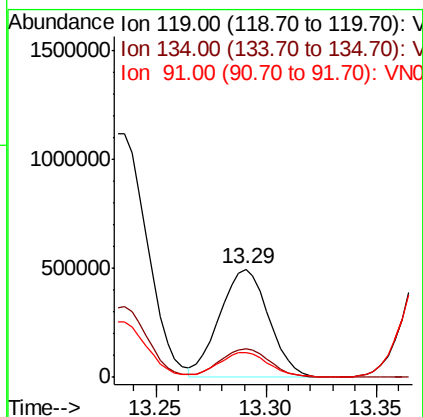
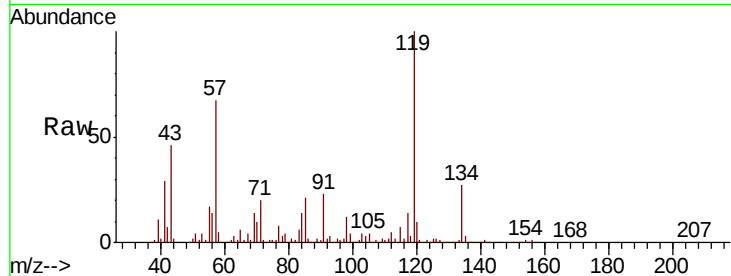




#86
p-Isopropyltoluene
Concen: 16.427 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

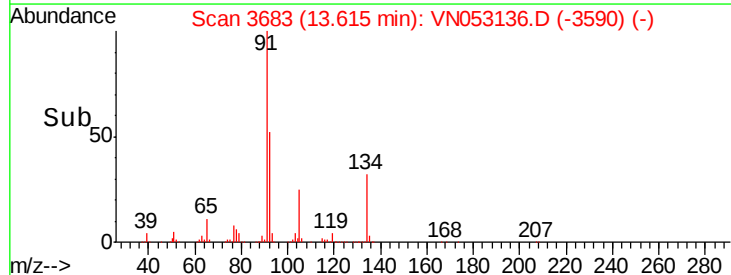
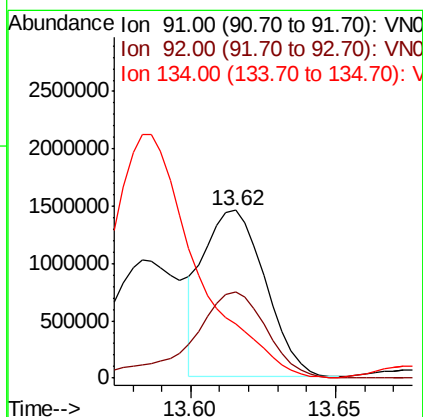
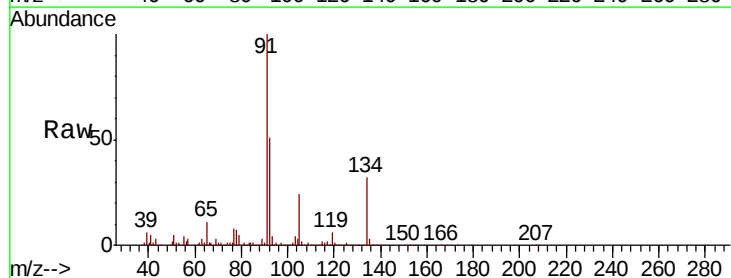
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)ME

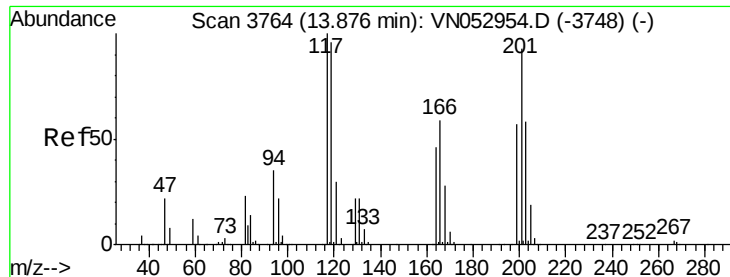
Tot Ion: 119 Resp: 766231
Ion Ratio Lower Upper
119 100
134 26.8 13.4 40.2
91 22.6 11.1 33.3



#89
n-Butylbenzene
Concen: 53.438 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053136.D
Acq: 22 Dec 2018 16:45

Tgt Ion: 91 Resp: 2144436
Ion Ratio Lower Upper
91 100
92 63.1 26.3 78.9
134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 100.846 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

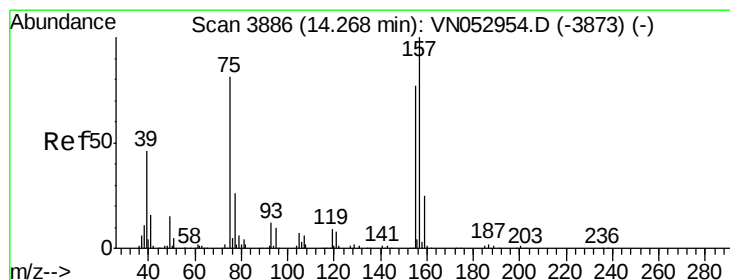
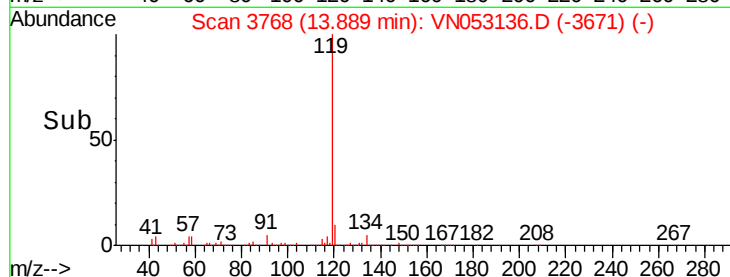
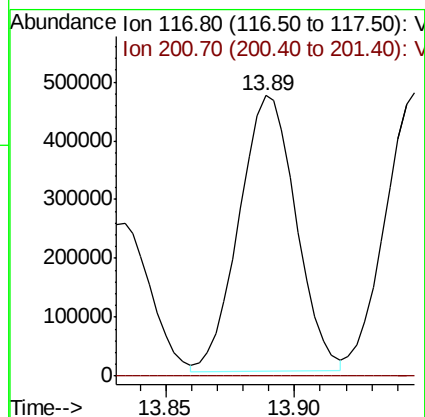
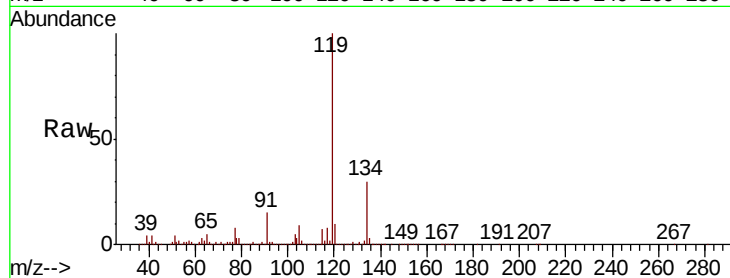
KY001SB106-121218-(22-24)ME

Tot Ion:117 Resp: 721861

Ion Ratio Lower Upper

117 100

201 0.0 45.7 137.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.099 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053136.D

Acq: 22 Dec 2018 16:45

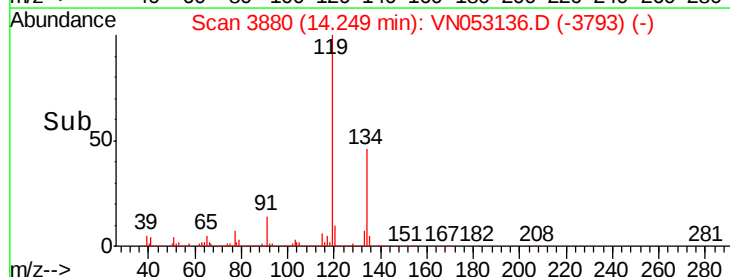
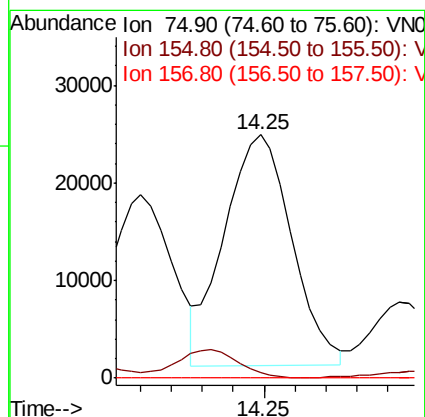
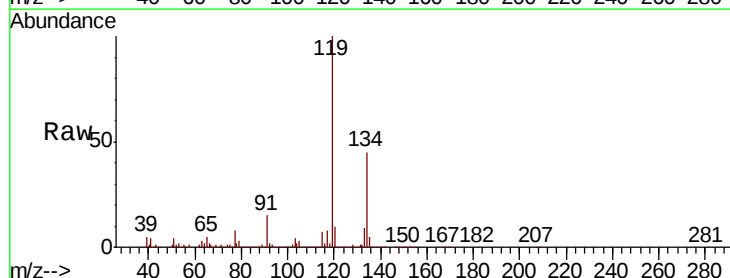
Tgt Ion: 75 Resp: 35869

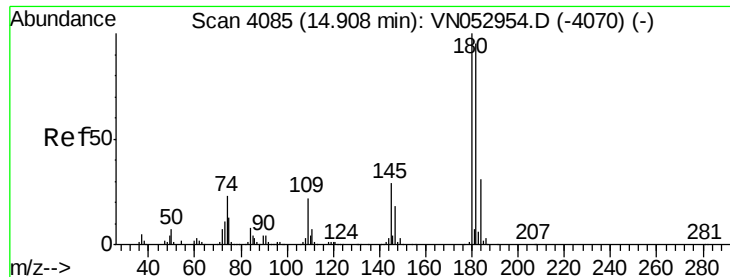
Ion Ratio Lower Upper

75 100

155 11.4 48.2 144.6#

157 0.0 61.2 183.5#

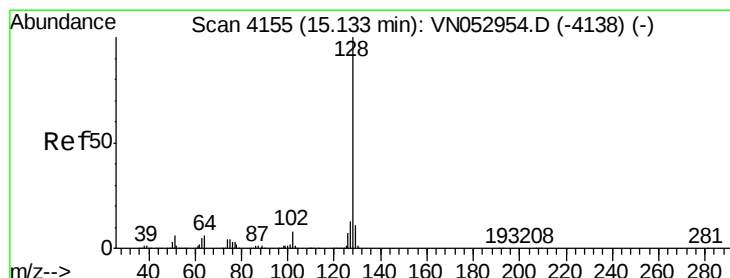
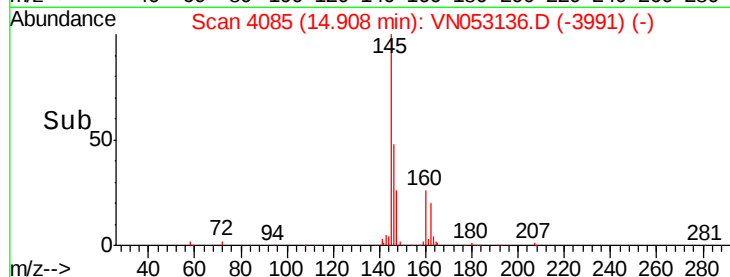
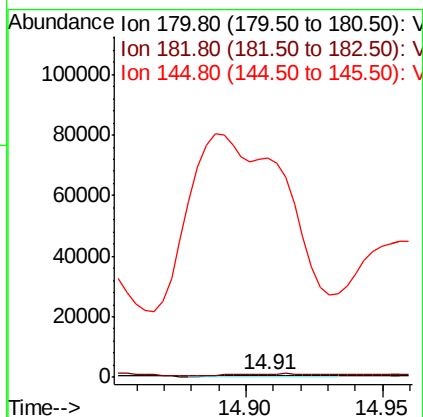
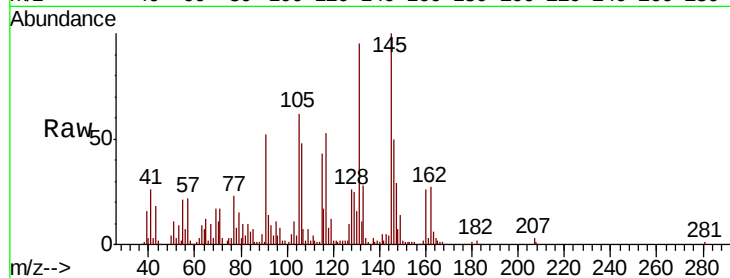




#93
 1,2,4-Trichlorobenzene
 Concen: 0.662 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053136.D
 Acq: 22 Dec 2018 16:45

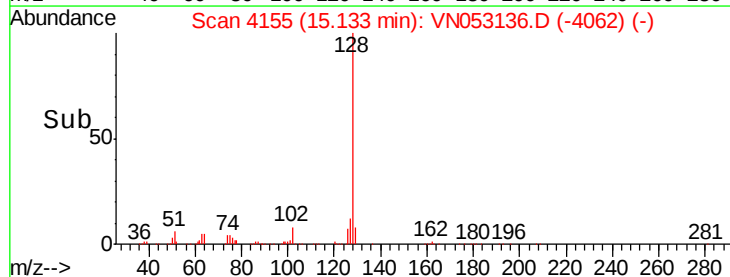
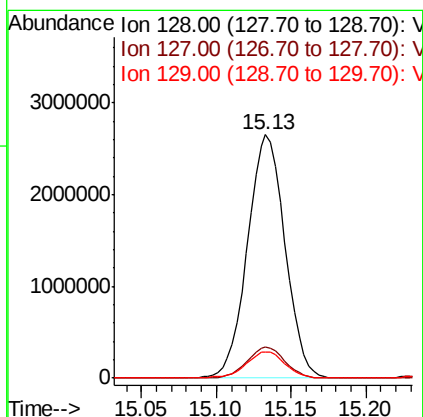
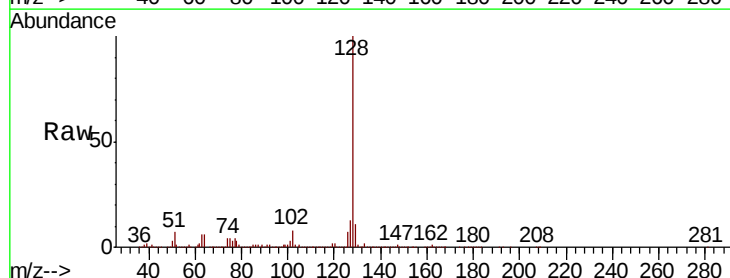
Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)ME

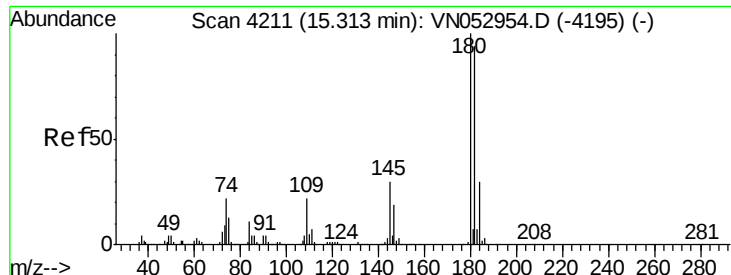
Tot Ion:180 Resp: 844
 Ion Ratio Lower Upper
 180 100
 182 117.4 47.8 143.3
 145 0.0 14.2 42.6#



#95
 Naphthalene
 Concen: 162.248 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053136.D
 Acq: 22 Dec 2018 16:45

Tgt Ion:128 Resp: 4587191
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.2 15.4
 129 10.9 8.6 13.0

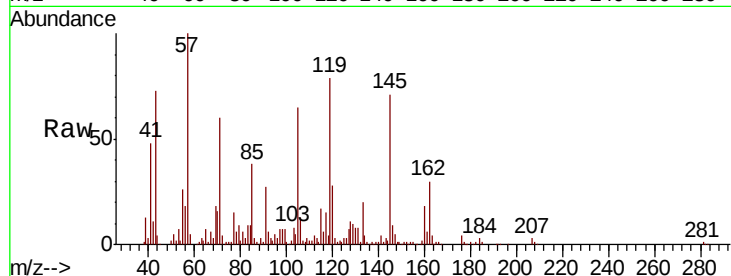




#96
 1,2,3-Trichlorobenzene
 Concen: 0.593 ug/l
 RT: 15.33 min Scan# 4216
 Delta R.T. 0.02 min
 Lab File: VN053136.D
 Acq: 22 Dec 2018 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)ME

Tot Ion:180 Resp: 987
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.7#
 145 10561.5 15.0 45.0#



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

