

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053134.D
 Acq On : 22 Dec 2018 15:51
 Operator : MD\SY
 Sample : J6392-21ME
 Misc : 6.3a/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(20-22)-FDME

Quant Time: Dec 23 23:05:23 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	1137547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1724447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1478399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	688962	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	534254	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
35) Dibromofluoromethane	7.59	113	426833	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	
50) Toluene-d8	10.09	98	2273018	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
62) 4-Bromofluorobenzene	12.40	95	728242	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	240	0.376	ug/l #	14
14) Allyl chloride	4.58	41	219449	13.067	ug/l #	57
15) Acrylonitrile	5.04	53	15694	4.011	ug/l #	42
16) Acetone	3.79	43	17978	7.943	ug/l #	52
18) Methyl Acetate	4.58	43	563065	54.715	ug/l #	51
19) Methyl tert-butyl Ether	5.04	73	7777	0.268	ug/l #	1
20) Methylene Chloride	4.55	84	8236	0.667	ug/l #	73
25) 2-Butanone	6.81	43	29027	7.642	ug/l #	49
29) Tetrahydrofuran	7.22	42	1108	0.391	ug/l #	34
30) Chloroform	7.32	83	55088	2.633	ug/l #	19
31) Cyclohexane	7.63	56	1179979	59.257	ug/l #	57
36) 1,1-Dichloropropene	7.66	75	76130	4.600	ug/l #	49
37) Ethyl Acetate	6.81	43	29027	3.141	ug/l #	68
38) Carbon Tetrachloride	7.66	117	96845	6.383	ug/l #	16
39) Methylcyclohexane	9.08	83	3645588	181.310	ug/l	92
40) Benzene	8.04	78	428942	8.713	ug/l	99
41) Methacrylonitrile	7.20	41	14141	2.649	ug/l #	41
42) 1,2-Dichloroethane	8.15	62	3643	0.250	ug/l #	1
43) Isopropyl Acetate	8.15	43	495298	27.224	ug/l #	53
45) 1,2-Dichloropropane	9.14	63	12091	0.943	ug/l #	1
47) Bromodichloromethane	9.38	83	227726	14.341	ug/l #	27
48) Methyl methacrylate	9.22	41	324833	36.229	ug/l #	24
51) 4-Methyl-2-Pentanone	10.02	43	894190	99.930	ug/l #	81
52) Toluene	10.16	92	47970	1.572	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	1049682	98.599	ug/l #	22
56) Ethyl methacrylate	10.43	69	48695	3.456	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.66	63	24254	3.135	ug/l #	49
59) 2-Hexanone	10.72	43	1487328	245.669	ug/l #	29
60) Dibromochloromethane	10.82	129	8243	0.676	ug/l	58
61) 1,2-Dibromoethane	10.98	107	3643	0.337	ug/l #	1
65) Chlorobenzene	11.54	112	16485	0.503	ug/l #	43
68) m/p-Xylenes	11.63	106	12996969	606.617	ug/l #	1
69) o-Xylene	11.95	106	8185806	398.155	ug/l	90
70) Styrene	11.95	104	391272	11.671	ug/l #	1

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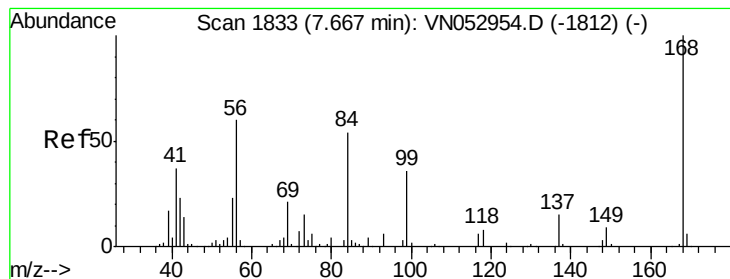
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Isopropylbenzene	12.25	105	8609808	159.721	uq/l	99
74) N-amyl acetate	12.04	43	703521	47.008	uq/l #	45
75) 1,1,2,2-Tetrachloroethane	12.50	83	7888	0.746	uq/l #	1
76) 1,2,3-Trichloropropane	12.59	75	89169	7.688	uq/l #	100
78) n-propylbenzene	12.59	91	15421266	251.188	uq/l	95
79) 2-Chlorotoluene	12.66	91	3381147	88.850	uq/l #	40
80) 1,3,5-Trimethylbenzene	12.89	105	14449167	328.858	uq/l	76
81) trans-1,4-Dichloro-2-buten	12.25	75	89343	24.829	uq/l #	56
82) 4-Chlorotoluene	12.73	91	1660528	44.576	uq/l #	41
83) tert-Butylbenzene	13.04	119	7102553	182.779	uq/l #	71
84) 1,2,4-Trimethylbenzene	12.89	105	14450706	327.165	uq/l	79
85) sec-Butylbenzene	13.17	105	1662332	31.627	uq/l #	49
86) p-Isopropyltoluene	13.29	119	939638	20.689	uq/l	99
89) n-Butylbenzene	13.62	91	2802190	71.718	uq/l #	74
90) Hexachloroethane	13.89	117	915200	131.315	uq/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	45189	24.713	uq/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1122	0.686	uq/l #	68
95) Naphthalene	15.13	128	5944722	215.571	uq/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	540	0.556	uq/l #	66

(#) = 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

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

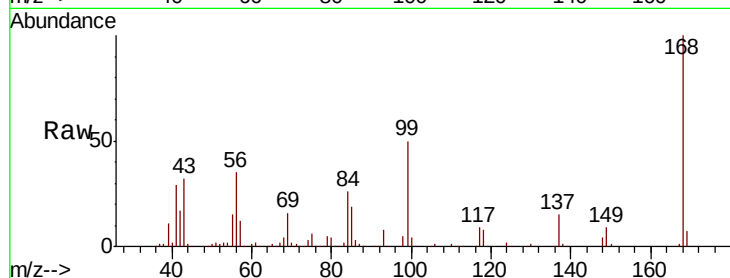
KY001SB106-121218-(20-22)-FDME

Tot Ion:168 Resp: 1137547

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): VN

7.66

500000

400000

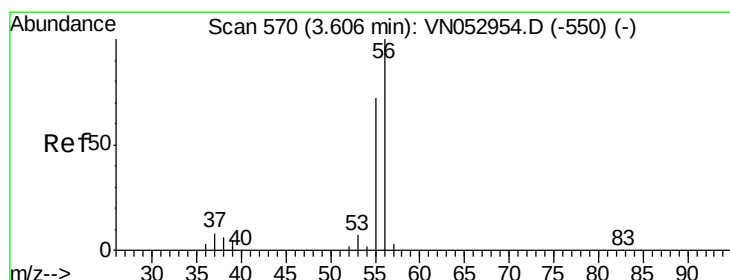
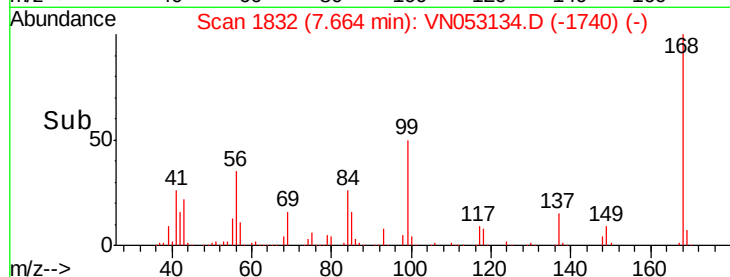
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.376 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053134.D

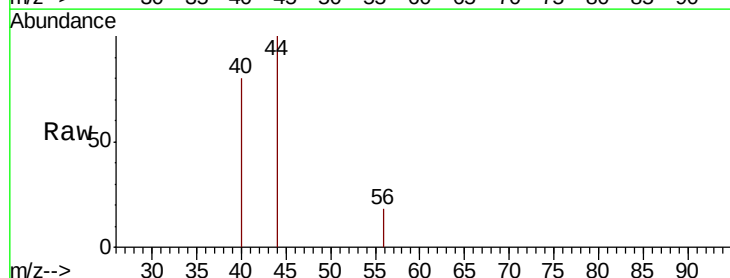
Acq: 22 Dec 2018 15:51

Tgt Ion: 56 Resp: 240

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

2500

2000

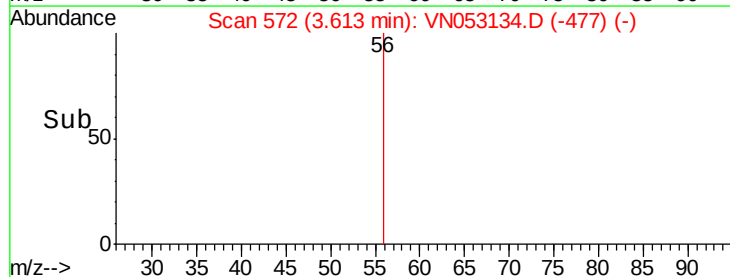
1500

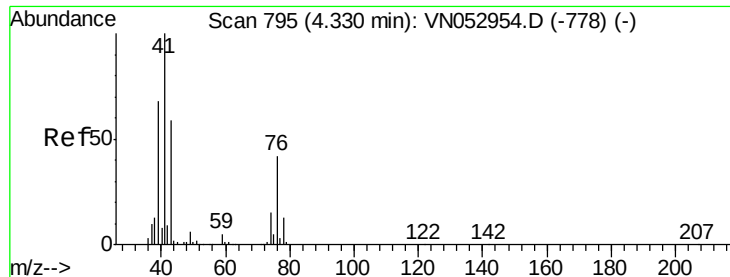
1000

500

0

Time--> 3.58 3.60 3.62

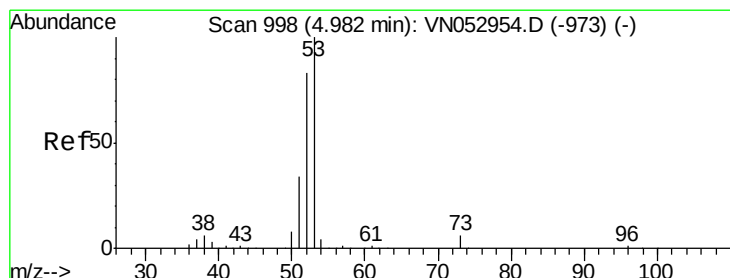
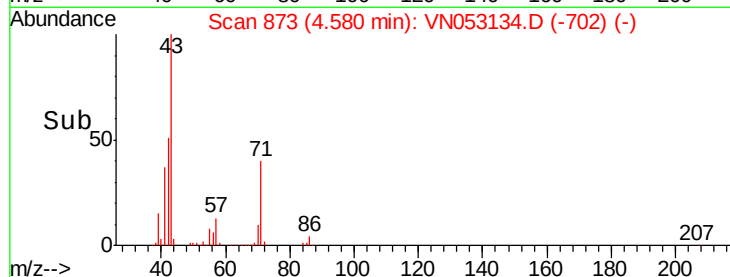
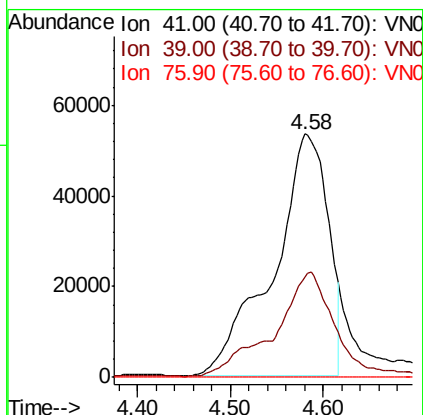
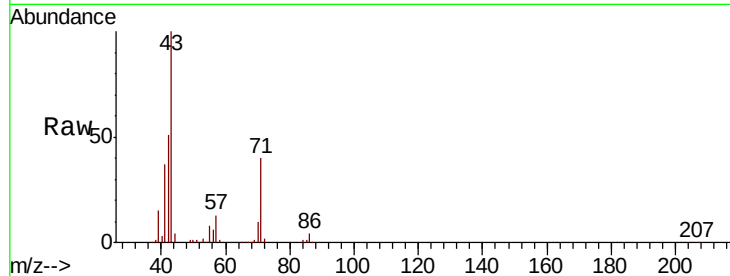




#14
 Allvl chloride
 Concen: 13.067 ug/l
 RT: 4.58 min Scan# 873
 Delta R.T. 0.25 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

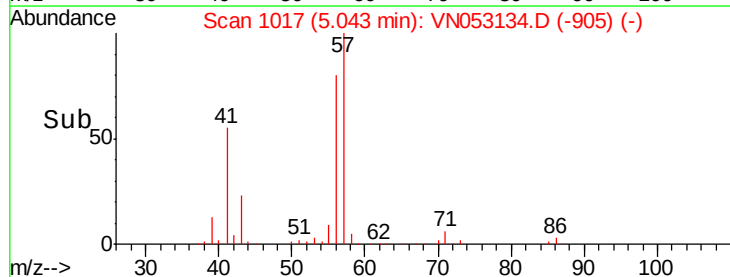
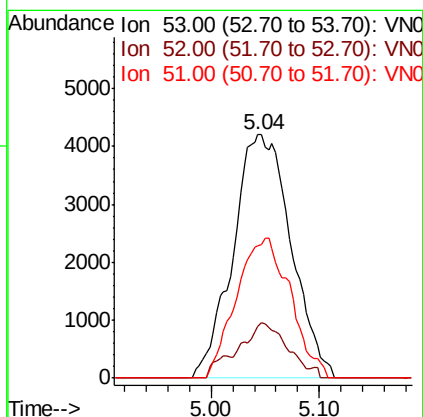
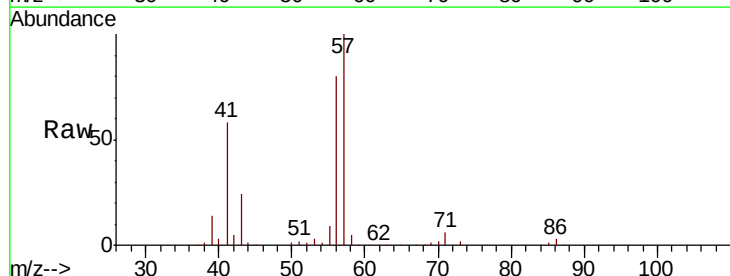
Instrument :
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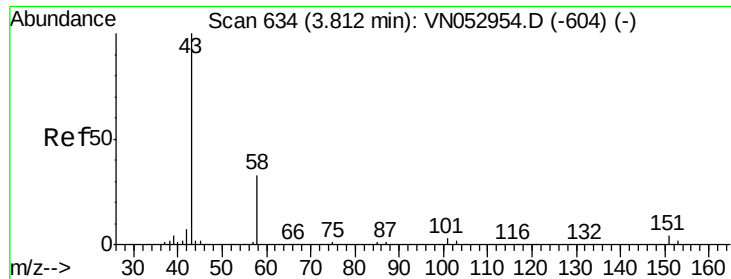
Tot Ion: 41 Resp: 219449
 Ion Ratio Lower Upper
 41 100
 39 41.7 54.1 81.1#
 76 0.0 30.3 45.5#



#15
 Acrylonitrile
 Concen: 4.011 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.06 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

Tgt Ion: 53 Resp: 15694
 Ion Ratio Lower Upper
 53 100
 52 19.8 65.1 97.7#
 51 53.4 28.1 42.1#





#16

Acetone

Concen: 7.943 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.03 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

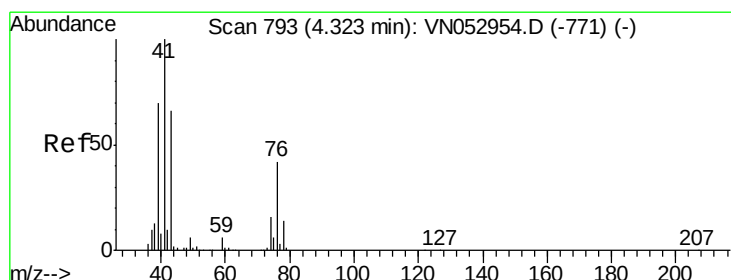
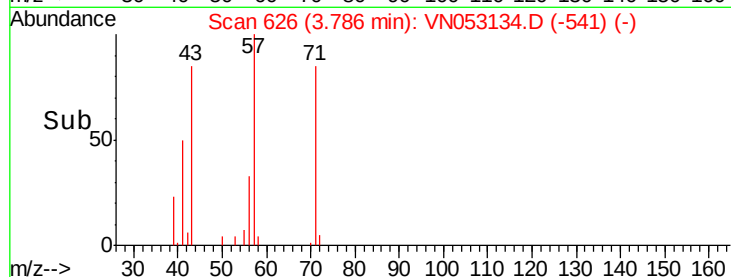
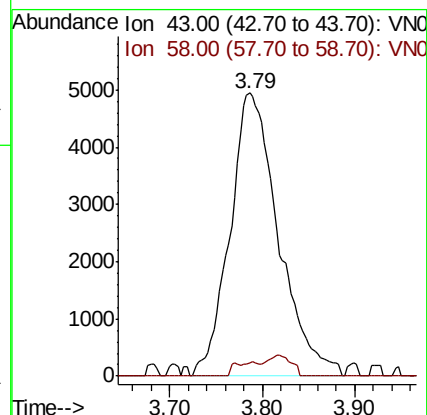
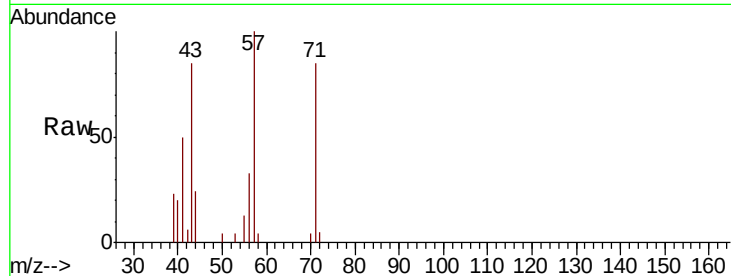
KY001SB106-121218-(20-22)-FDME

Tot Ion: 43 Resp: 17978

Ion Ratio Lower Upper

43 100

58 4.9 25.4 38.0#



#18

Methyl Acetate

Concen: 54.715 ug/l

RT: 4.58 min Scan# 874

Delta R.T. 0.26 min

Lab File: VN053134.D

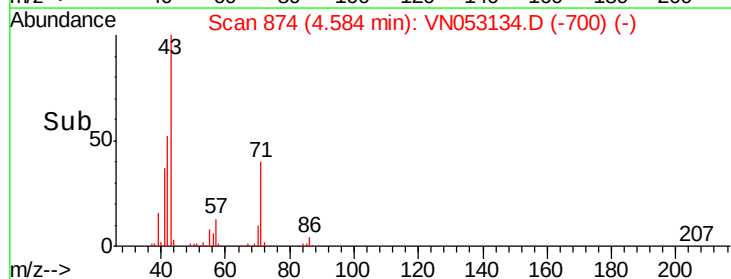
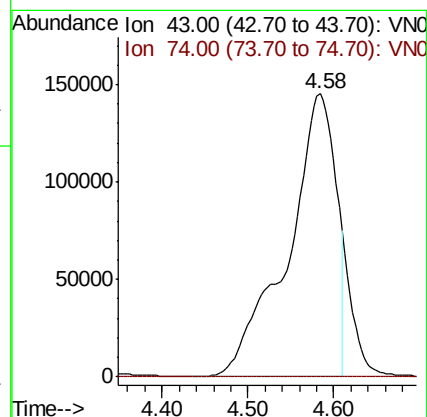
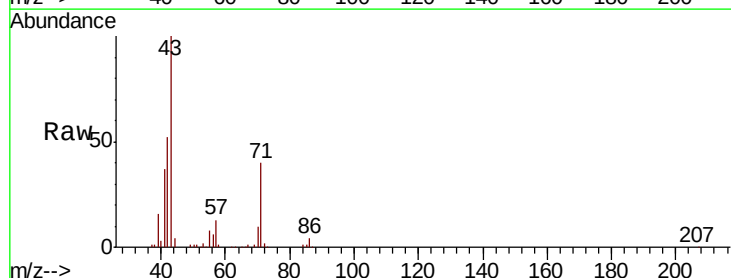
Acq: 22 Dec 2018 15:51

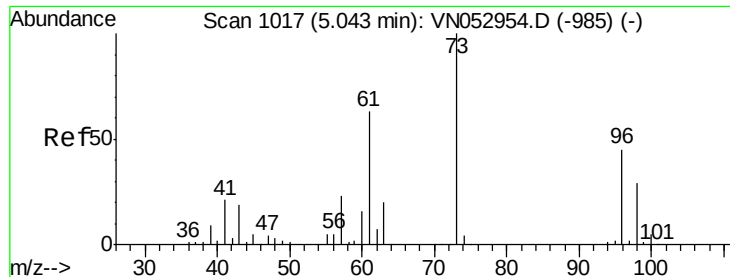
Tgt Ion: 43 Resp: 563065

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

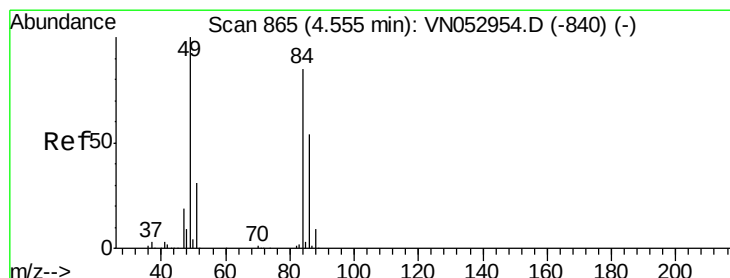
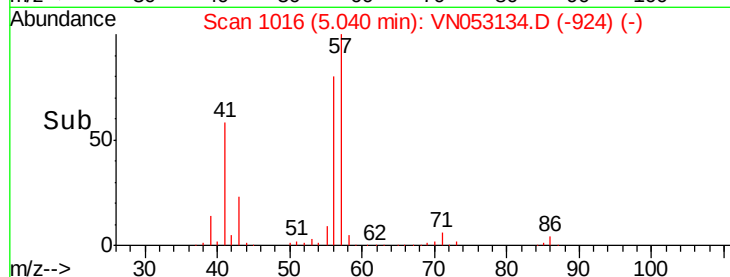
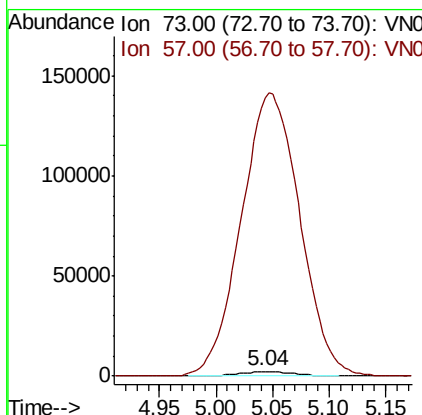
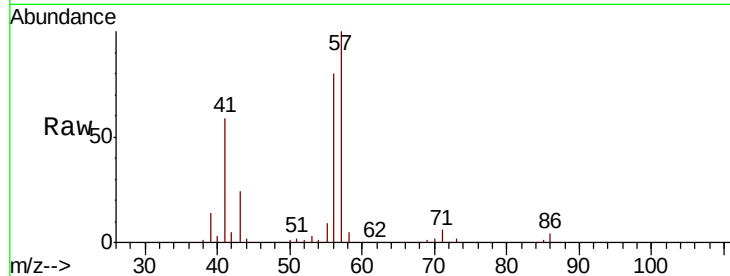




#19
Methyl tert-butyl Ether
Concen: 0.268 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

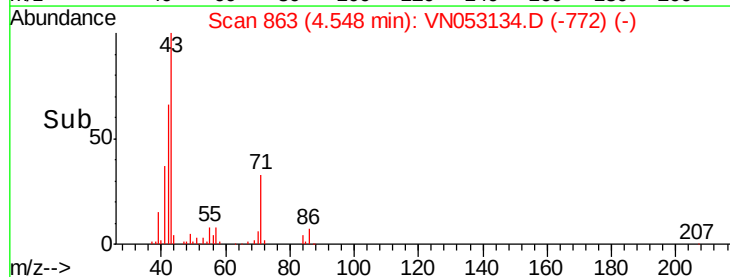
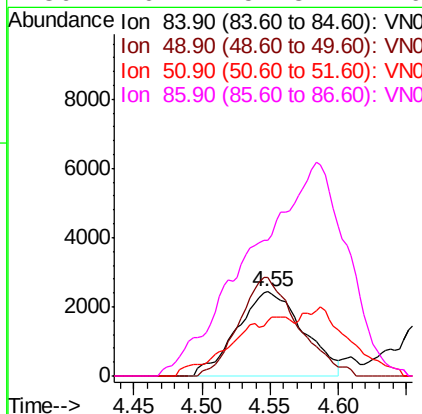
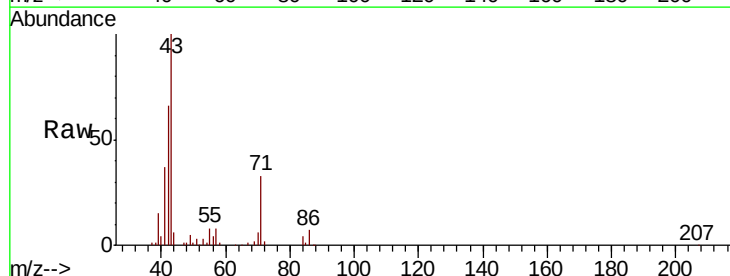
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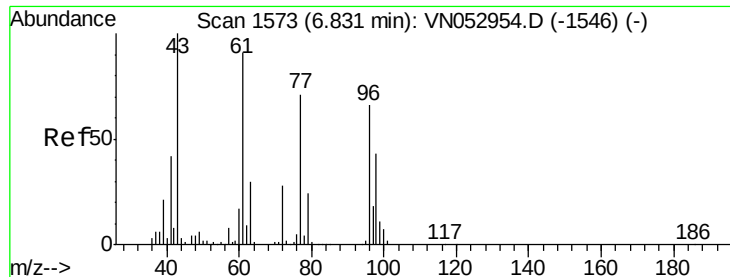
Tot Ion: 73 Resp: 7777
Ion Ratio Lower Upper
73 100
57 5737.5 18.4 27.6#



#20
Methylene Chloride
Concen: 0.667 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion: 84 Resp: 8236
Ion Ratio Lower Upper
84 100
49 116.6 96.8 145.2
51 52.8 29.9 44.9#
86 120.2 51.8 77.6#





#25

2-Butanone

Concen: 7.642 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

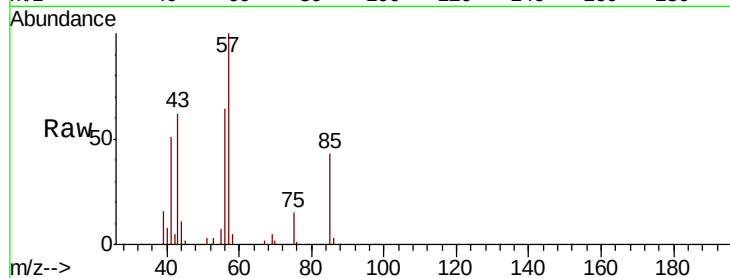
KY001SB106-121218-(20-22)-FDME

Tot Ion: 43 Resp: 29027

Ion Ratio Lower Upper

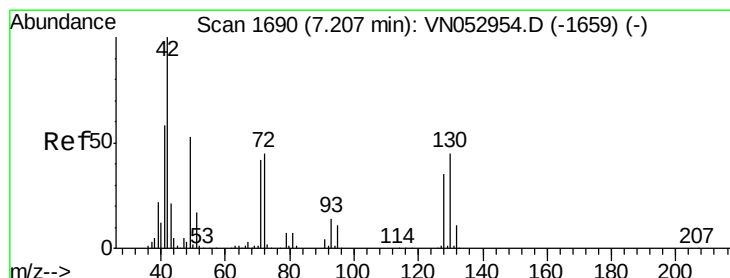
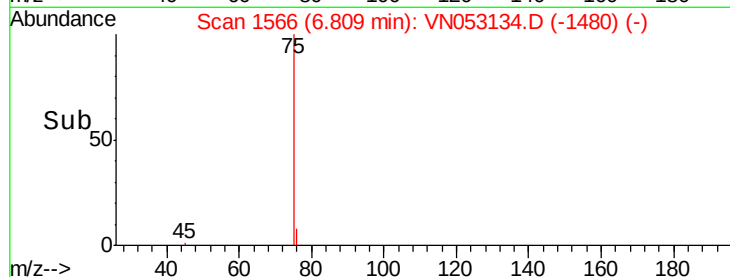
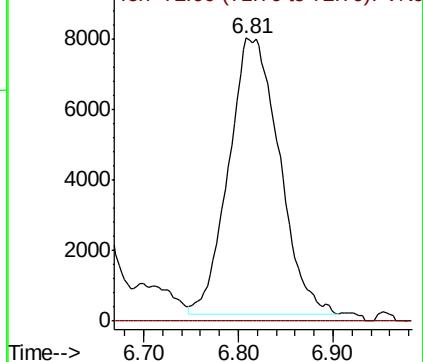
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.391 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

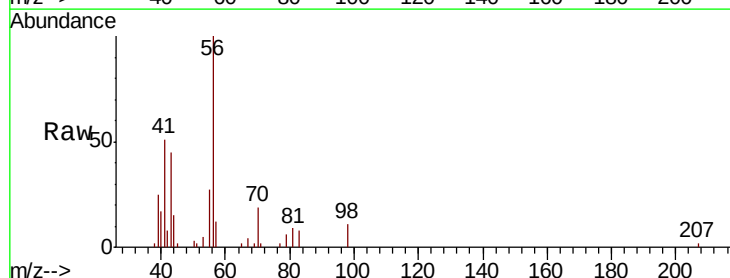
Tgt Ion: 42 Resp: 1108

Ion Ratio Lower Upper

42 100

72 0.0 34.7 52.1#

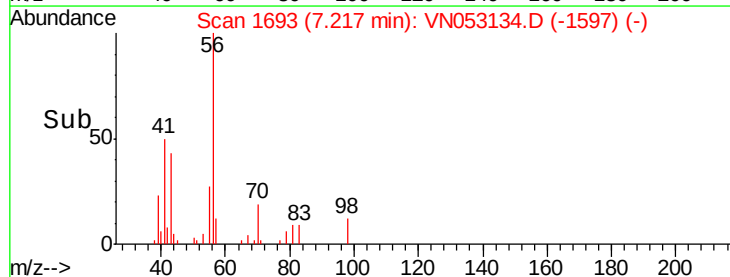
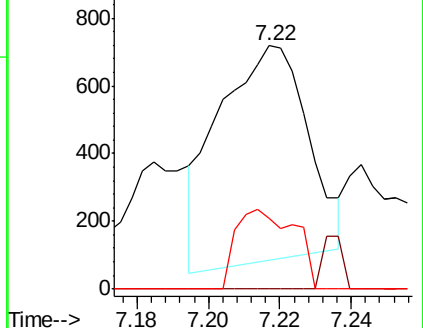
71 0.0 32.3 48.5#

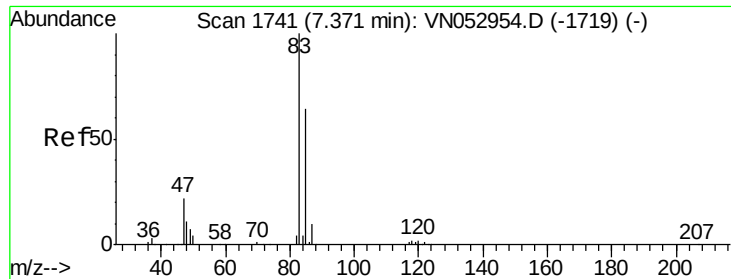


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

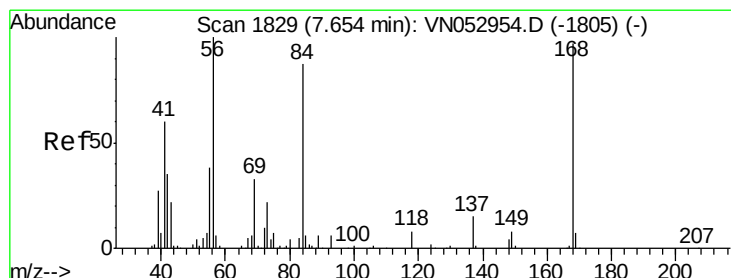
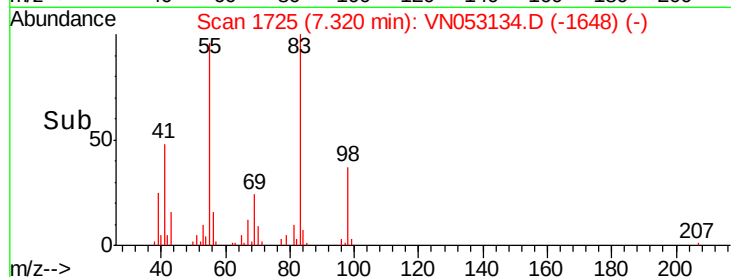
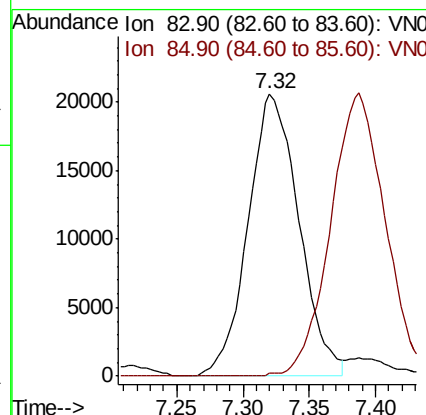
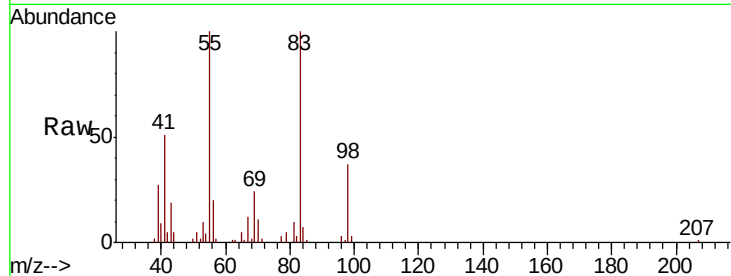




#30
Chloroform
Concen: 2.633 ug/l
RT: 7.32 min Scan# 1725
Delta R.T. -0.05 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

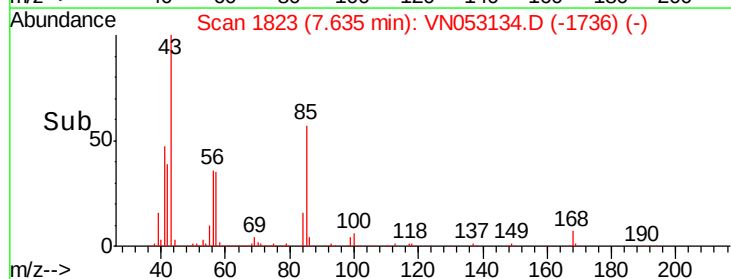
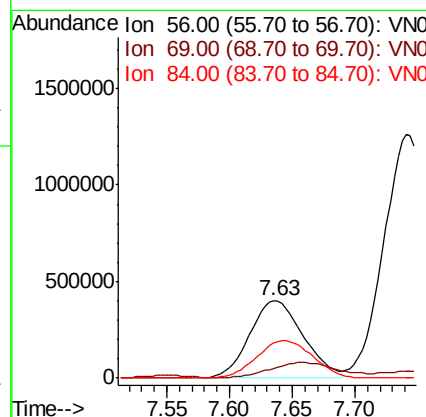
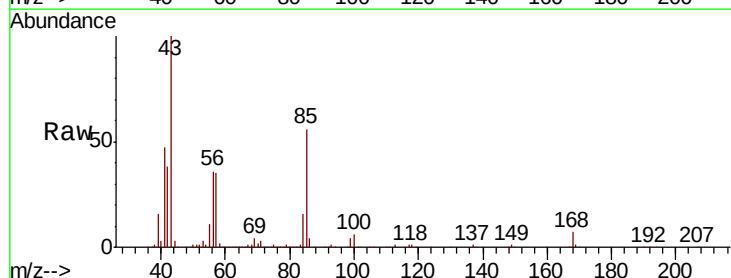
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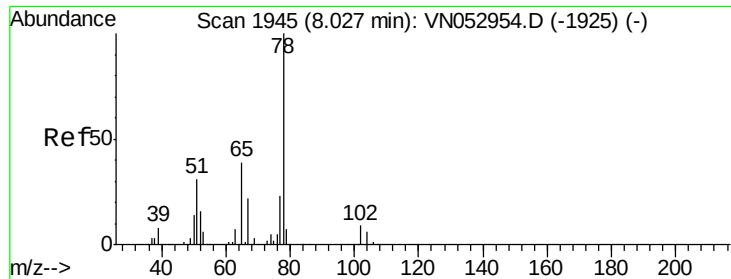
Tot Ion: 83 Resp: 55088
Ion Ratio Lower Upper
83 100
85 0.9 52.1 78.1#



#31
Cyclohexane
Concen: 59.257 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.02 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion: 56 Resp: 1179979
Ion Ratio Lower Upper
56 100
69 10.6 26.6 39.8#
84 44.9 68.4 102.6#

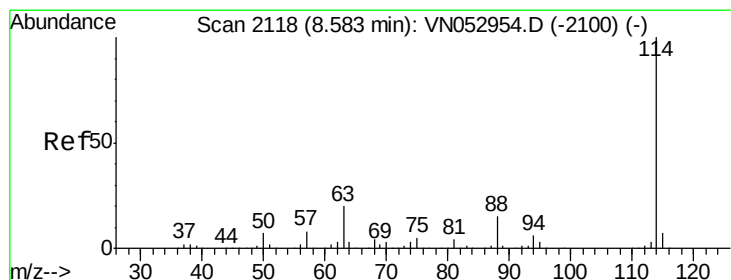
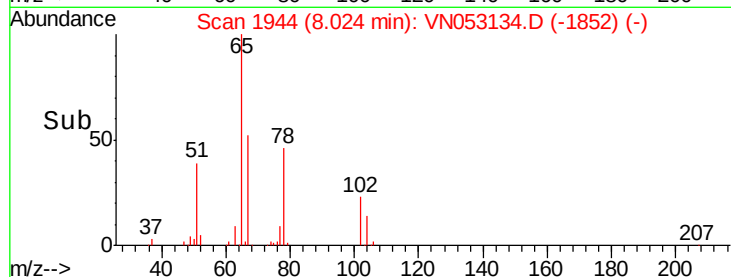
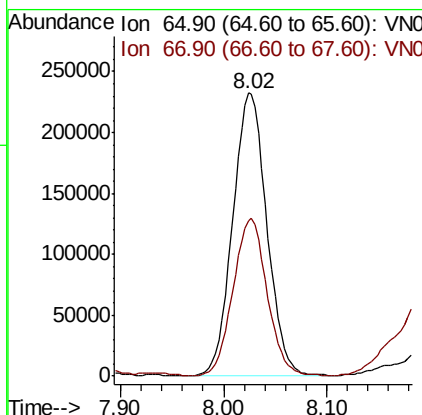
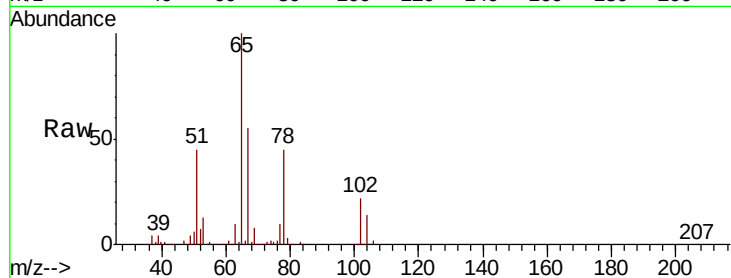




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

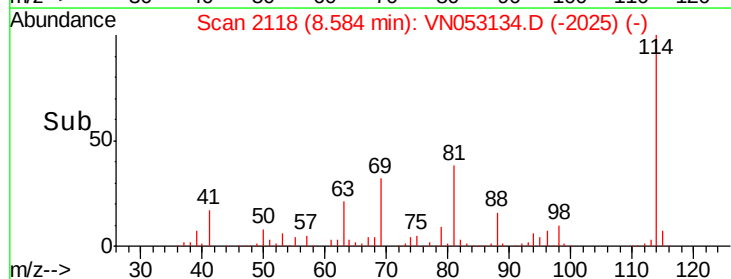
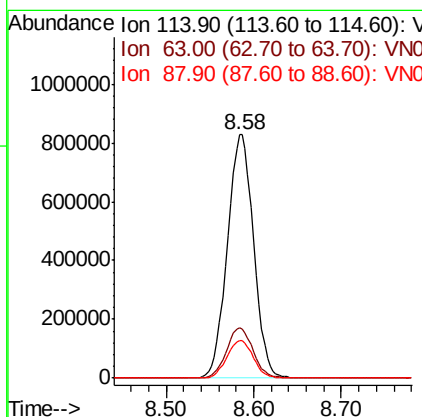
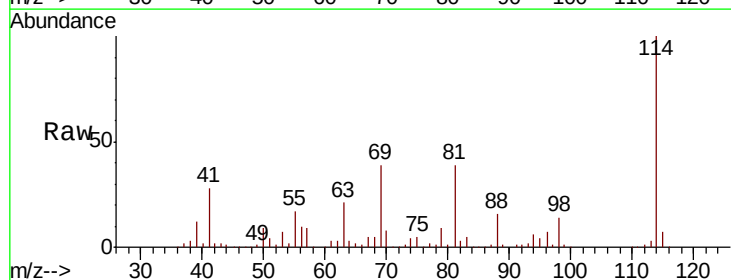
Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(20-22)-FDME

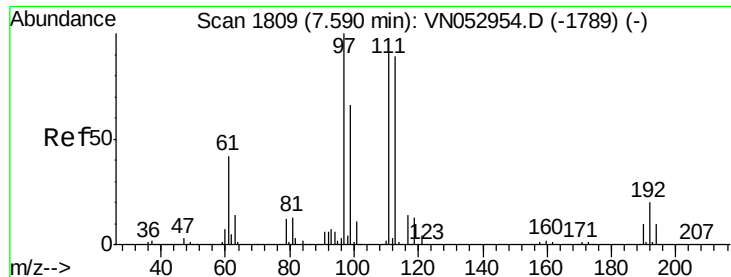
Tot Ion: 65 Resp: 534254
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

Tgt Ion: 114 Resp: 1724447
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.8
 88 15.7 0.0 31.0

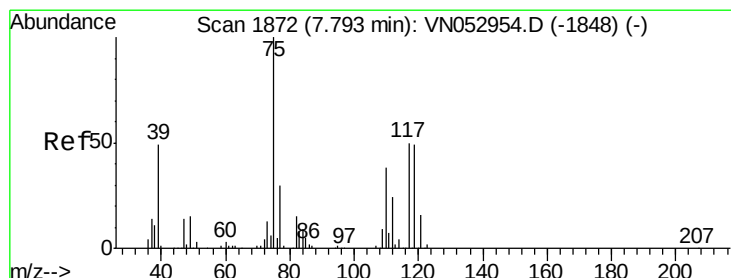
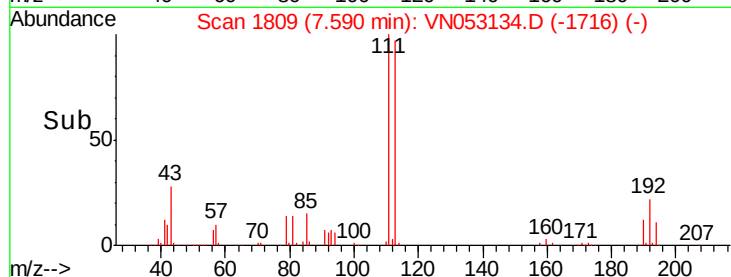
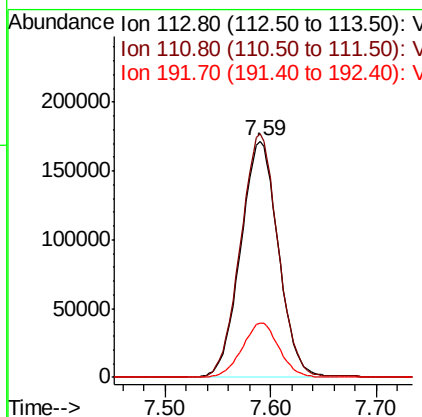
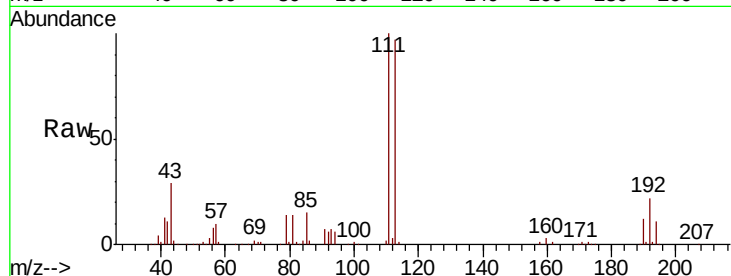




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

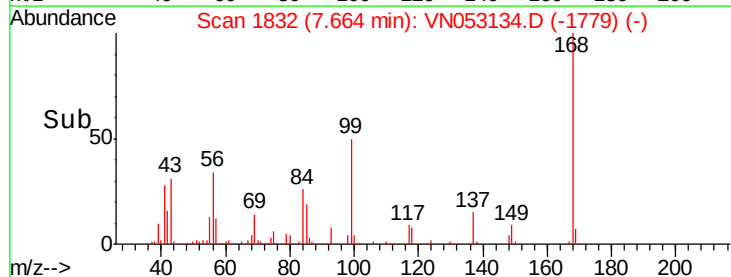
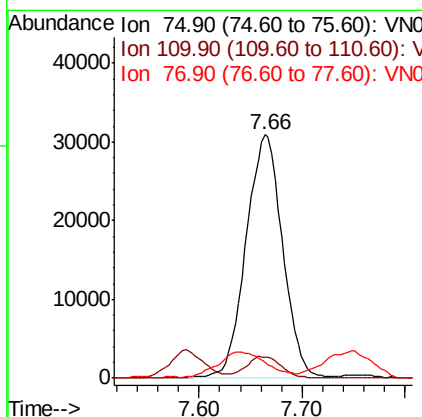
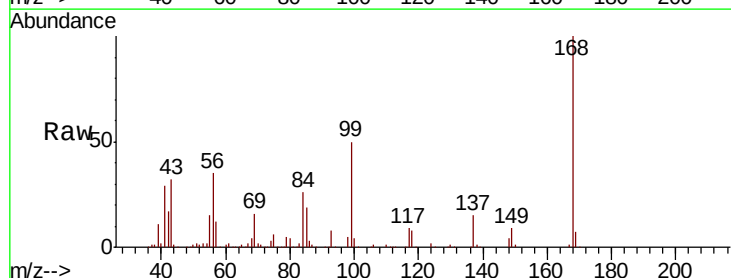
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

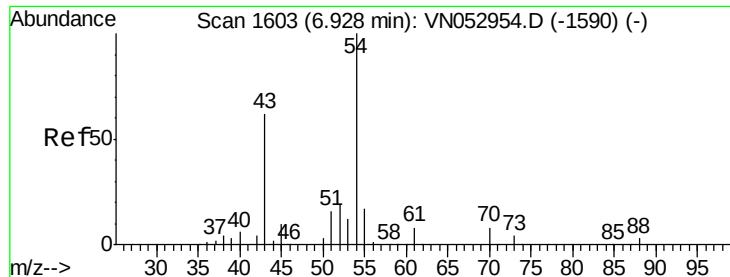
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.0	124.4
192	22.5	17.5	26.3



#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#

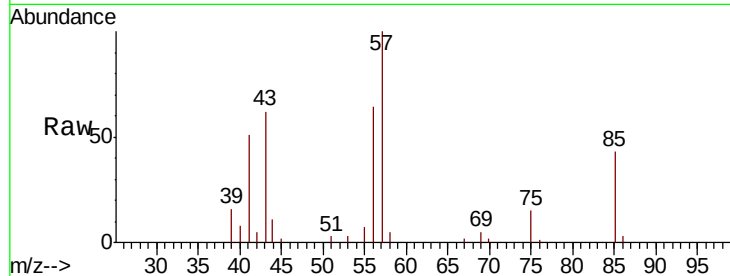




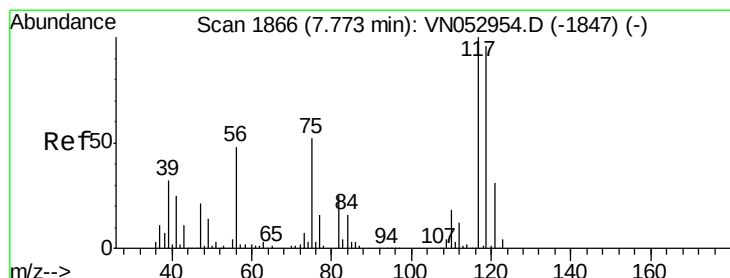
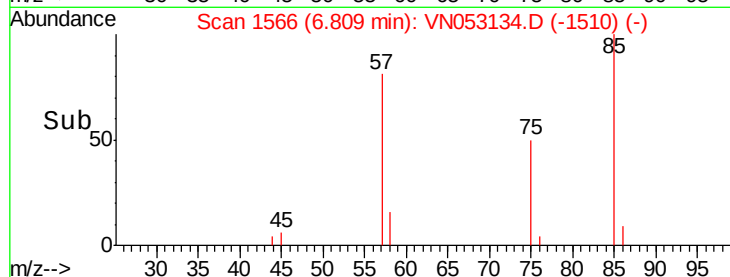
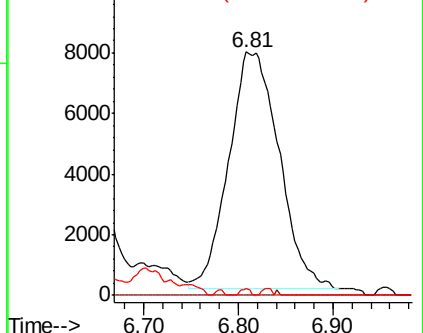
#37
Ethyl Acetate
Concen: 3.141 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.12 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

Tot Ion: 43 Resp: 29027
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.5 8.4 12.6#

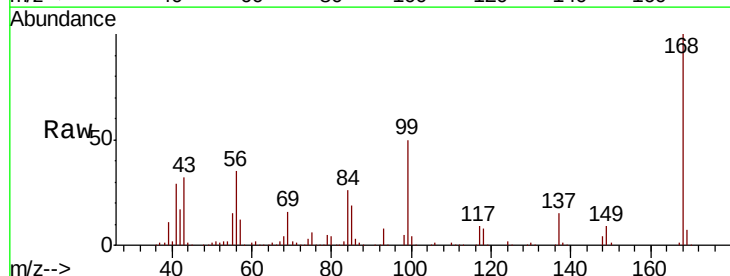


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

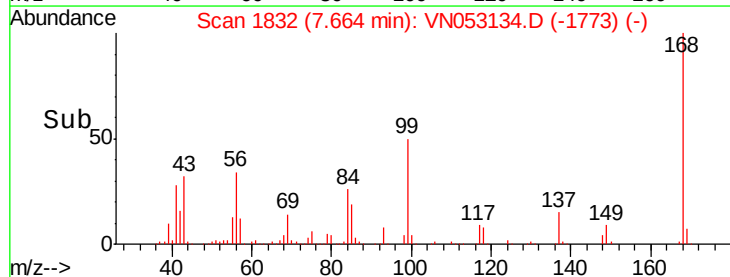
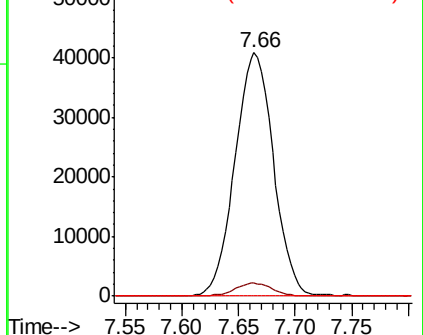


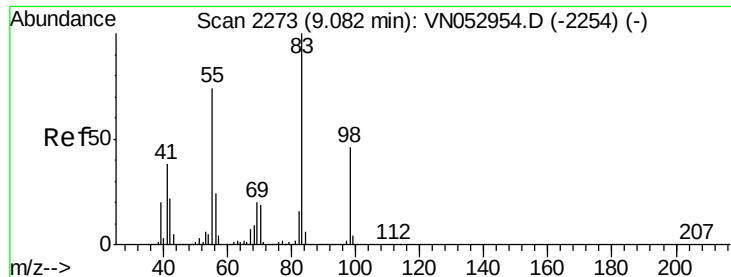
#38
Carbon Tetrachloride
Concen: 6.383 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion: 117 Resp: 96845
Ion Ratio Lower Upper
117 100
119 5.3 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

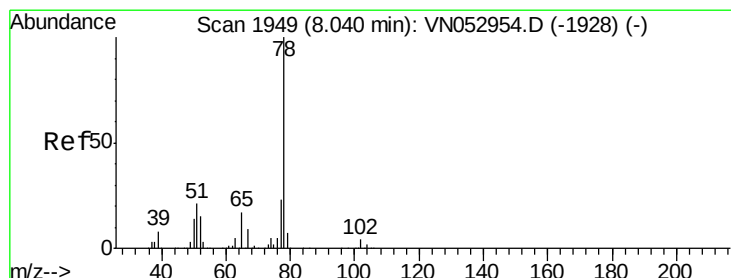
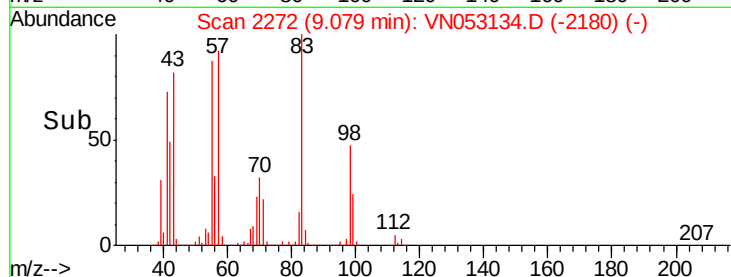
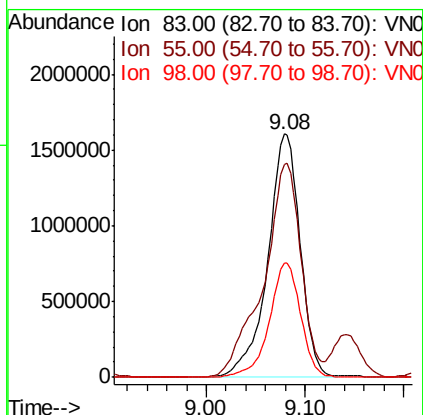
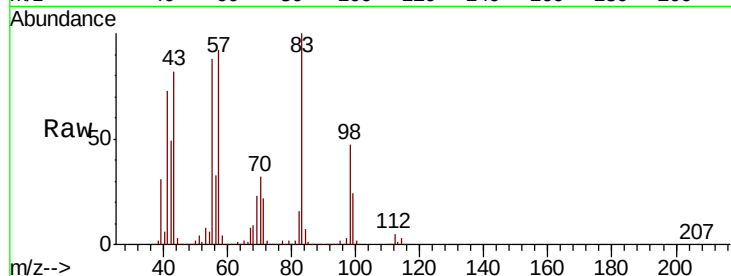




#39
Methylvlcyclohexane
Concen: 181.310 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

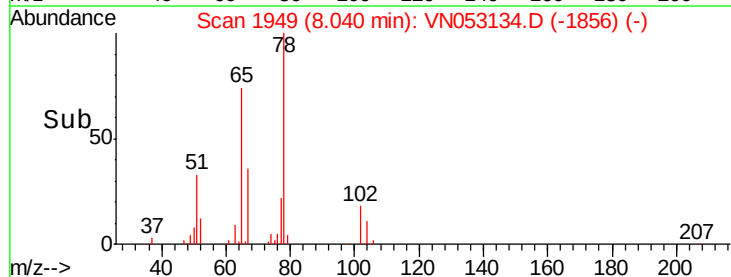
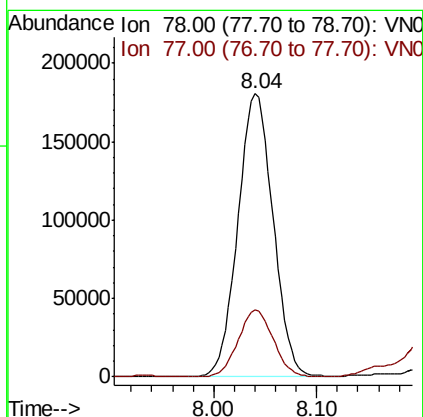
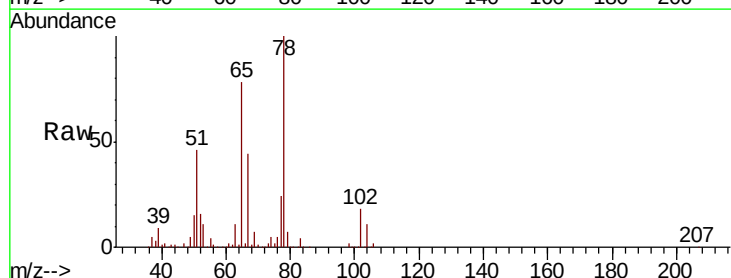
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

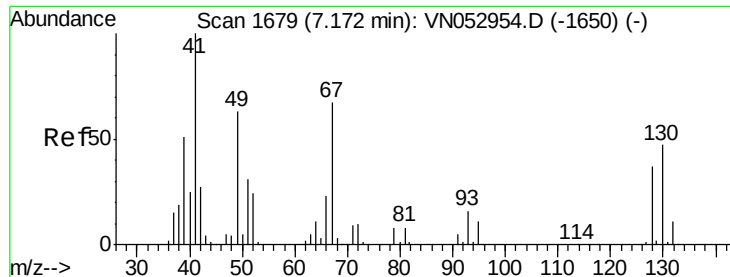
Tot Ion: 83 Resp: 3645588
Ion Ratio Lower Upper
83 100
55 87.5 61.3 91.9
98 46.7 37.0 55.4



#40
Benzene
Concen: 8.713 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion: 78 Resp: 428942
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7

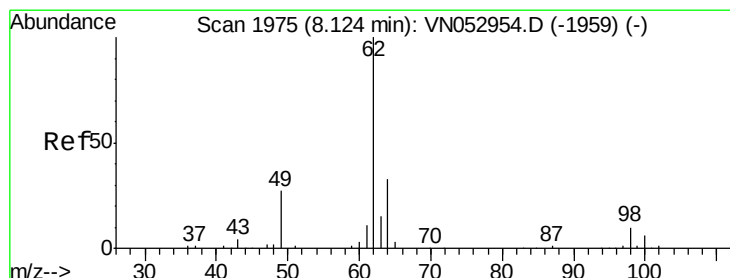
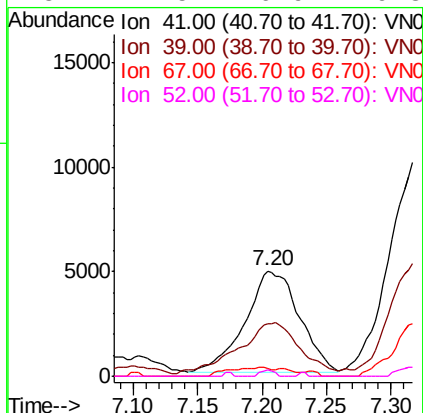
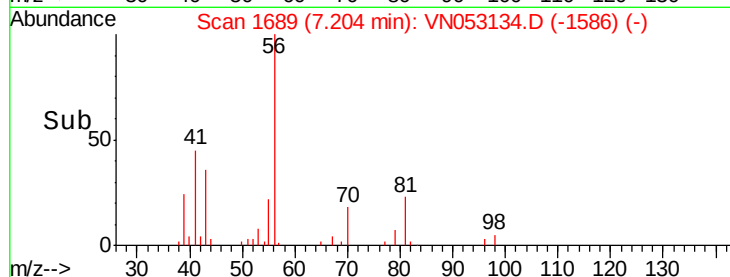
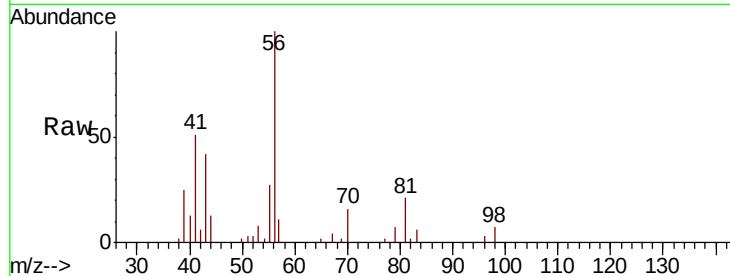




#41
Methacrylonitrile
Concen: 2.649 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.03 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

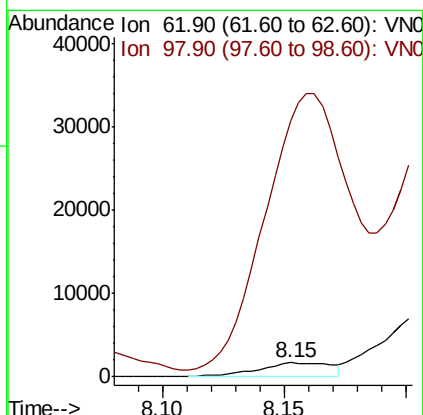
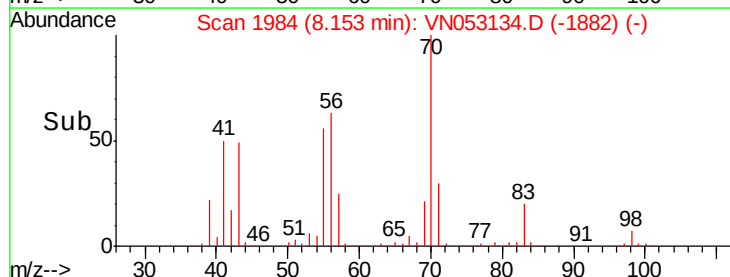
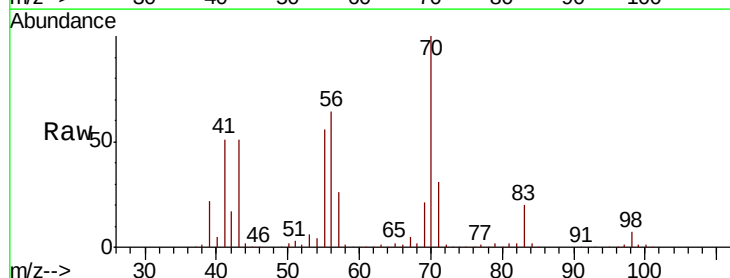
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

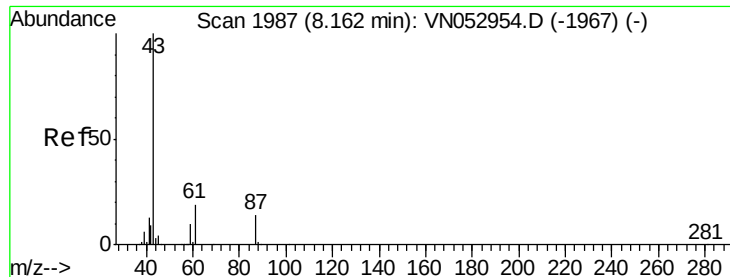
Tot Ion: 41 Resp: 14141
Ion Ratio Lower Upper
41 100
39 54.1 48.0 72.0
67 0.0 70.3 105.5#
52 1.5 26.9 40.3#



#42
1,2-Dichloroethane
Concen: 0.250 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.03 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion: 62 Resp: 3643
Ion Ratio Lower Upper
62 100
98 2193.8 0.0 19.0#





#43

Isopropyl Acetate

Concen: 27.224 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

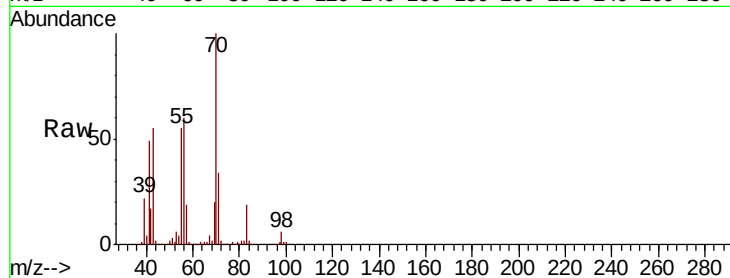
Tot Ion: 43 Resp: 495298

Ion Ratio Lower Upper

43 100

61 0.2 22.9 34.3#

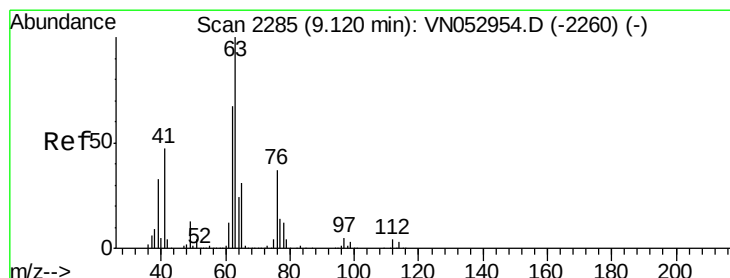
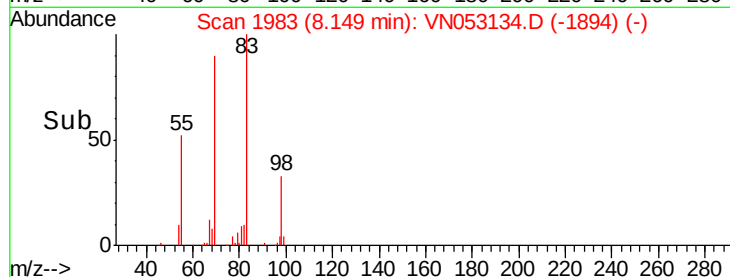
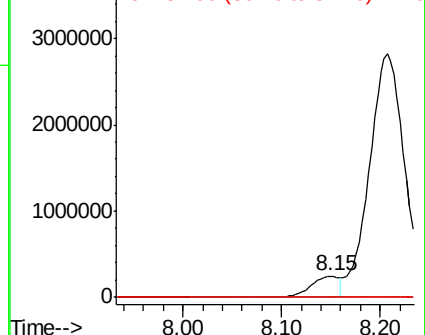
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.943 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. 0.02 min

Lab File: VN053134.D

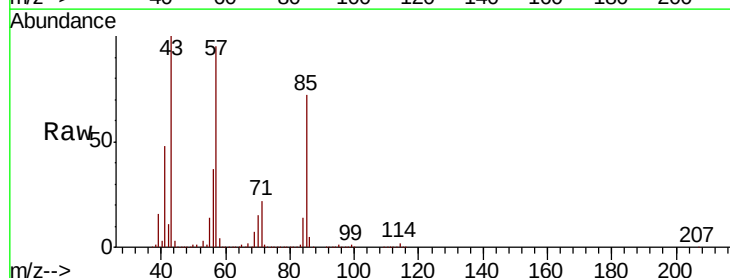
Acq: 22 Dec 2018 15:51

Tgt Ion: 63 Resp: 12091

Ion Ratio Lower Upper

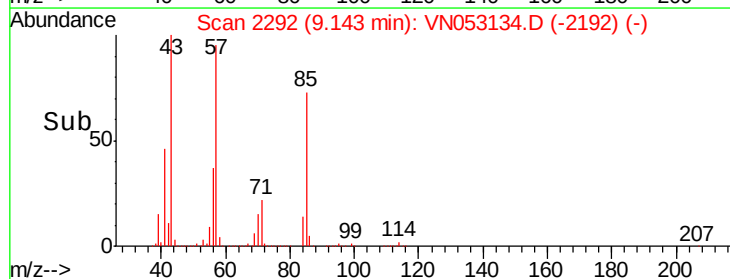
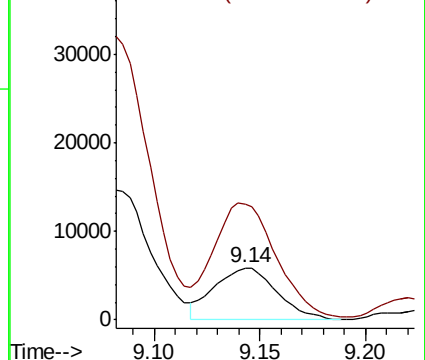
63 100

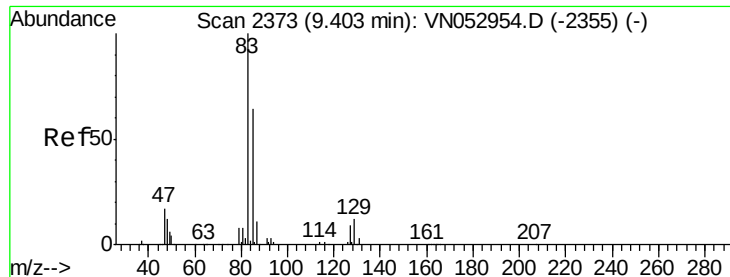
65 215.7 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 14.341 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

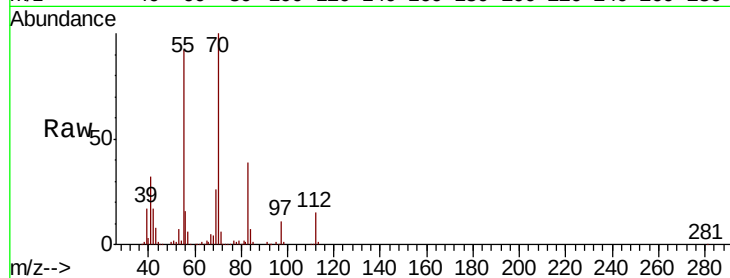
Tot Ion: 83 Resp: 227726

Ion Ratio Lower Upper

83 100

85 1.5 51.6 77.4#

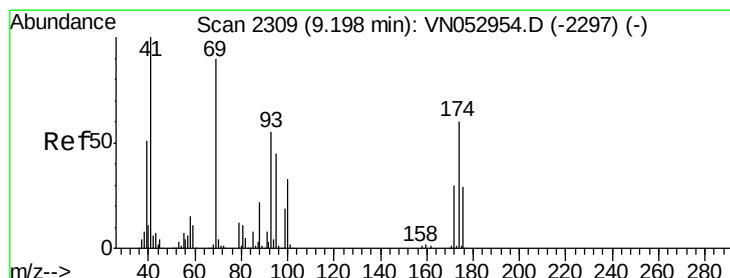
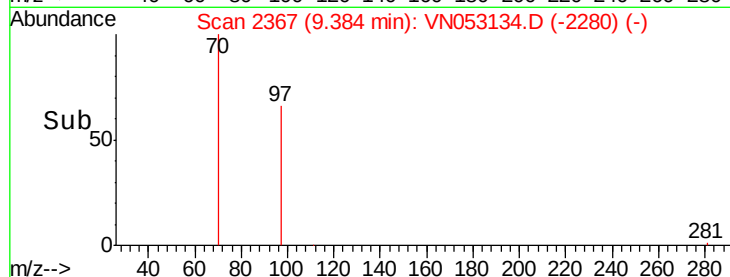
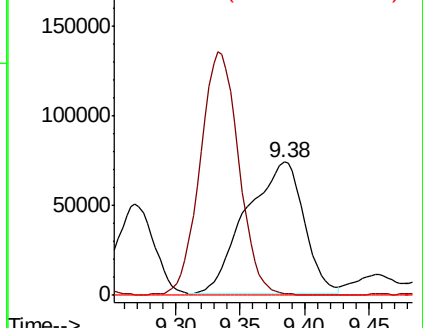
127 0.0 7.1 10.7#



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): VN0



#48

Methyl methacrylate

Concen: 36.229 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

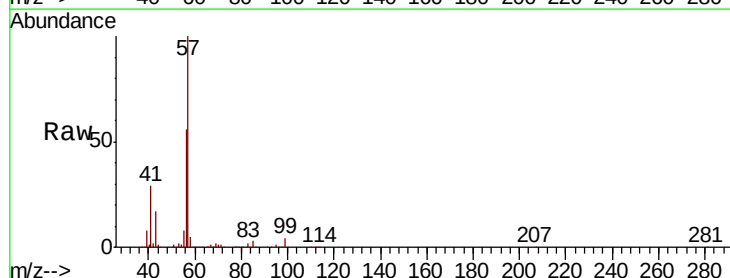
Tgt Ion: 41 Resp: 324833

Ion Ratio Lower Upper

41 100

69 0.0 72.2 108.2#

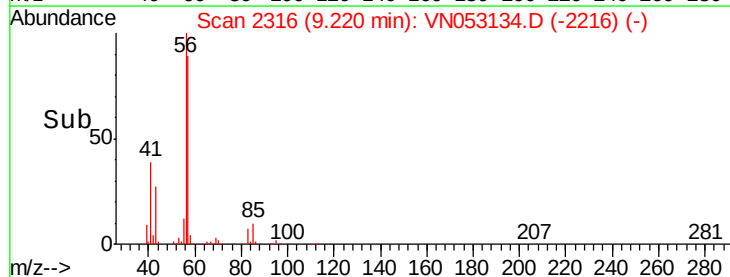
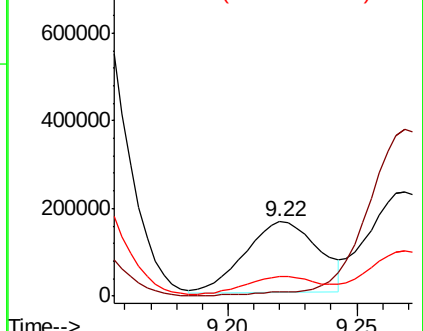
39 23.0 41.9 62.9#

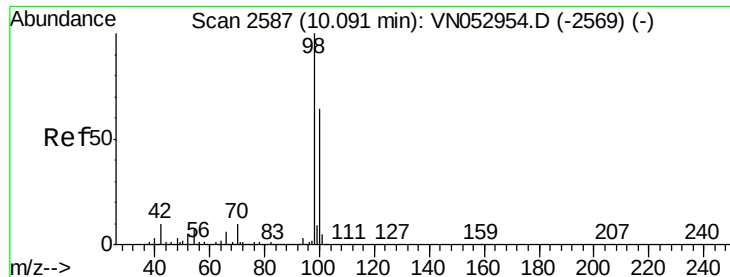


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

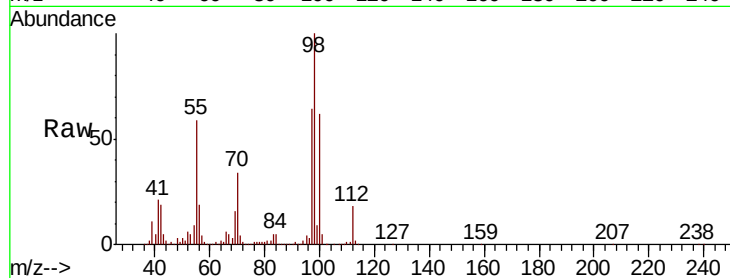
KY001SB106-121218-(20-22)-FDME

Tot Ion: 98 Resp: 2273018

Ion Ratio Lower Upper

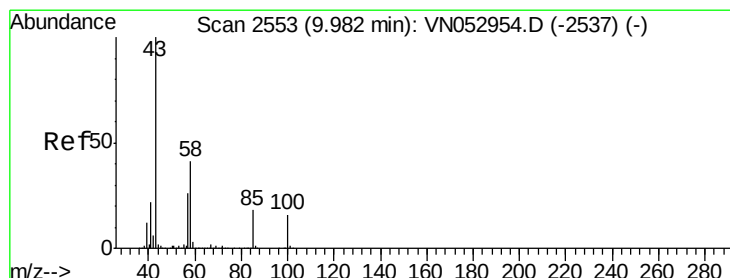
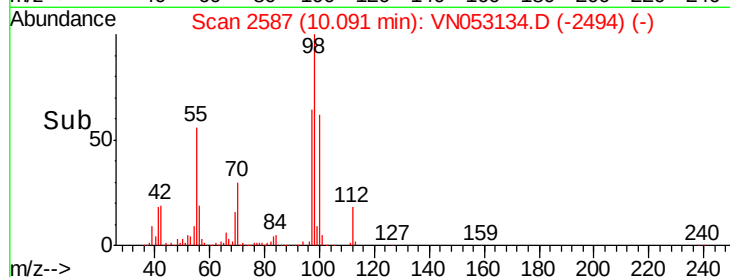
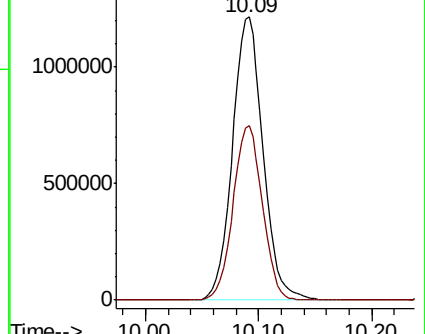
98 100

100 59.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN052954.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 99.930 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053134.D

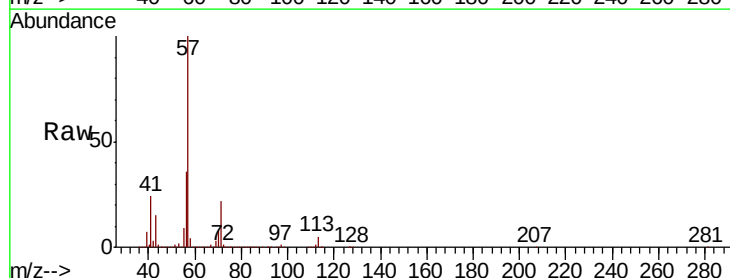
Acq: 22 Dec 2018 15:51

Tgt Ion: 43 Resp: 894190

Ion Ratio Lower Upper

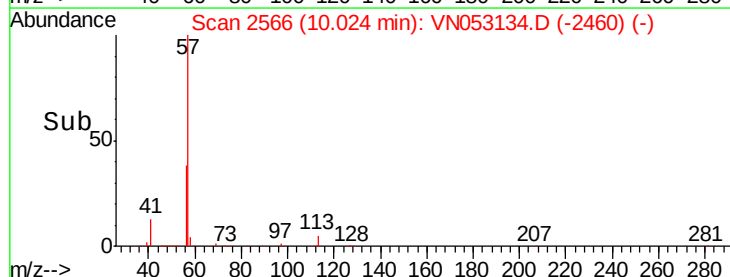
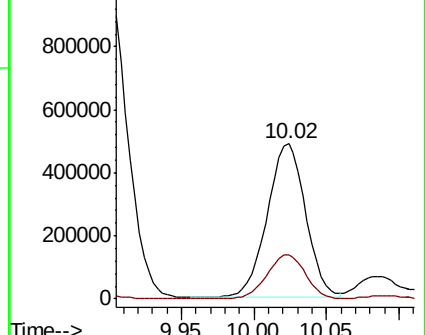
43 100

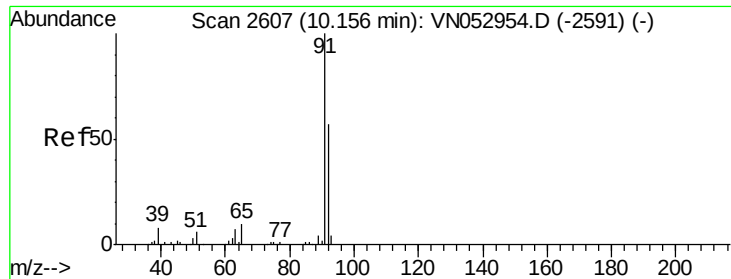
58 28.7 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-2537) (-)





#52

Toluene

Concen: 1.572 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

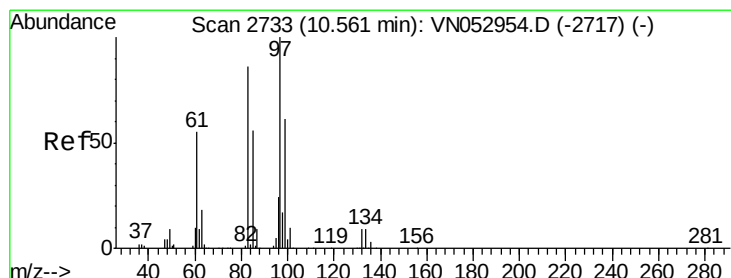
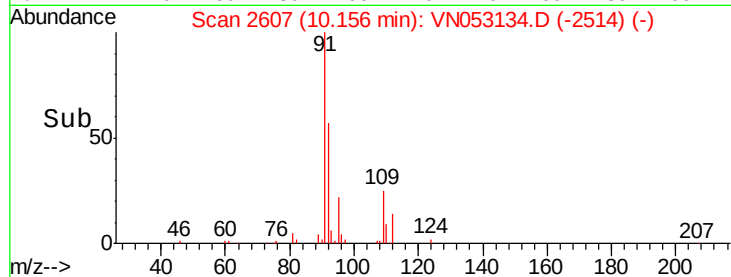
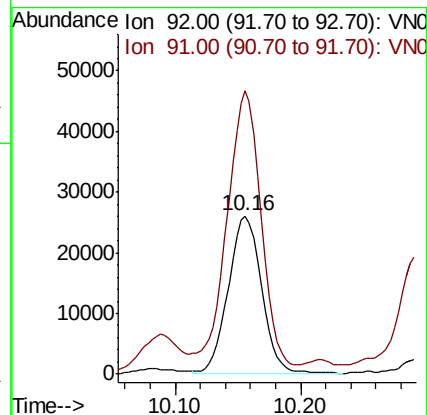
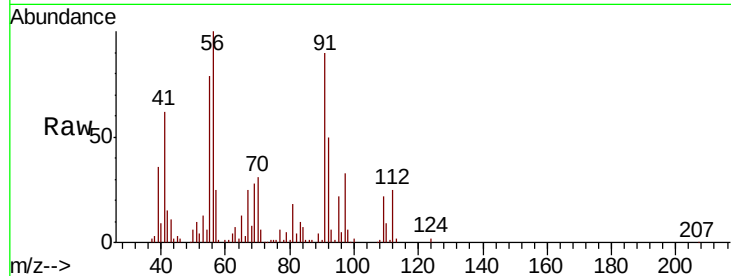
KY001SB106-121218-(20-22)-FDME

Tot Ion: 92 Resp: 47970

Ion Ratio Lower Upper

92 100

91 175.9 139.8 209.6



#55

1,1,2-Trichloroethane

Concen: 98.599 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Tgt Ion: 97 Resp: 1049682

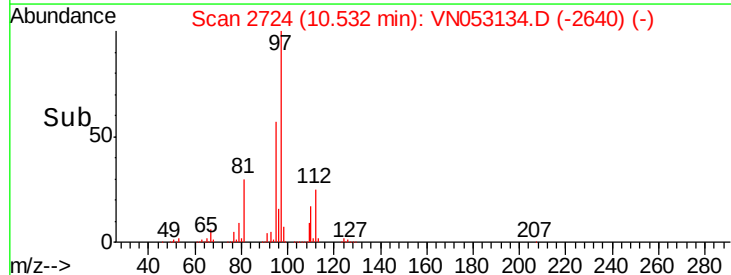
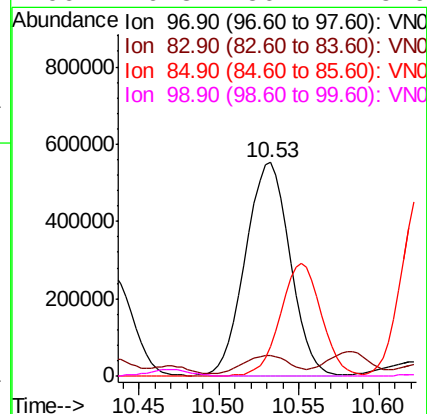
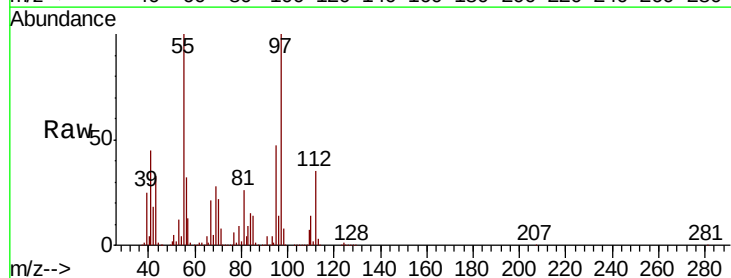
Ion Ratio Lower Upper

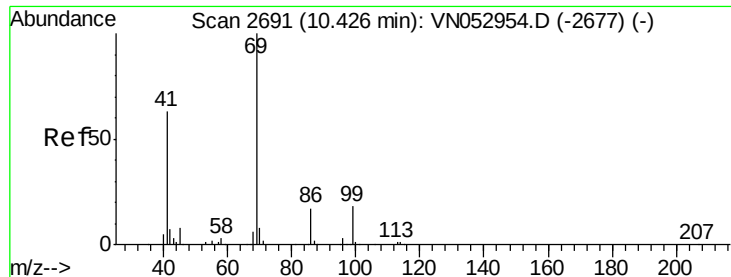
97 100

83 7.0 70.9 106.3#

85 13.6 45.4 68.2#

99 0.3 50.4 75.6#





#56

Ethyl methacrylate

Concen: 3.456 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

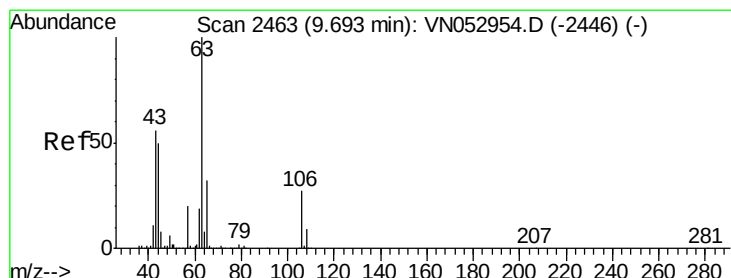
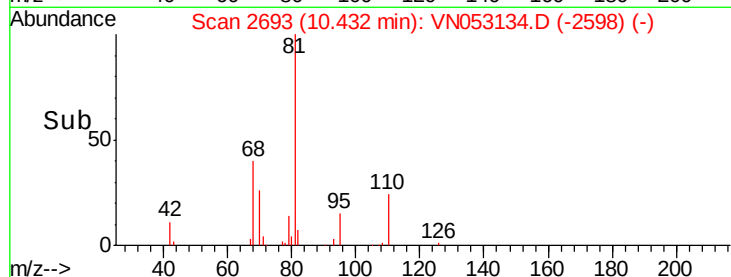
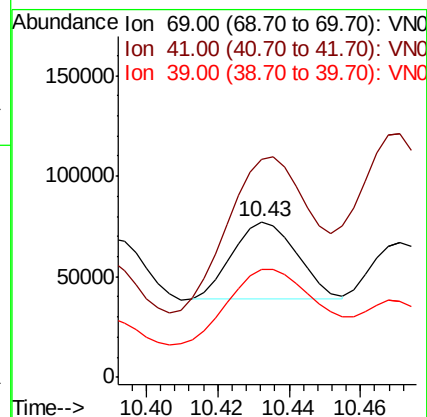
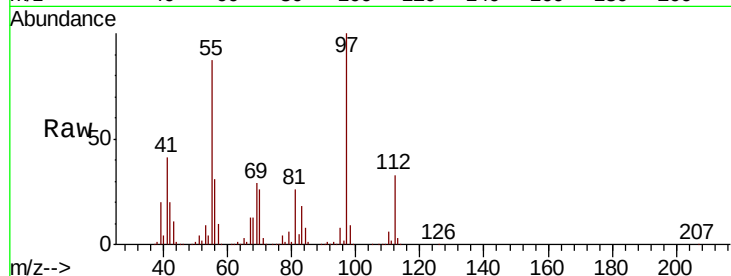
Tot Ion: 69 Resp: 48695

Ion Ratio Lower Upper

69 100

41 259.6 51.7 77.5#

39 161.3 24.6 37.0#



#58

2-Chloroethyl Vinyl ether

Concen: 3.135 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.03 min

Lab File: VN053134.D

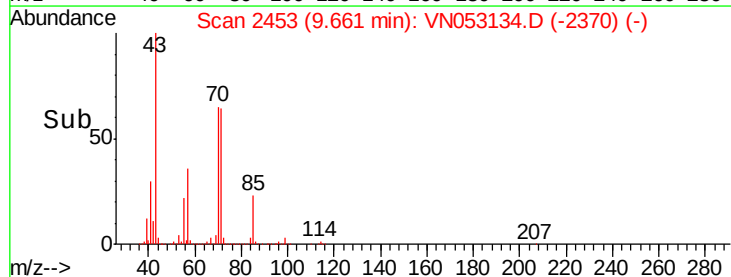
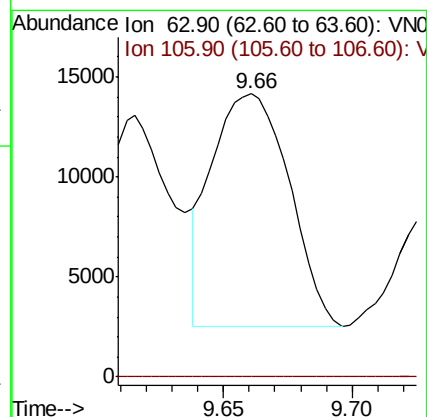
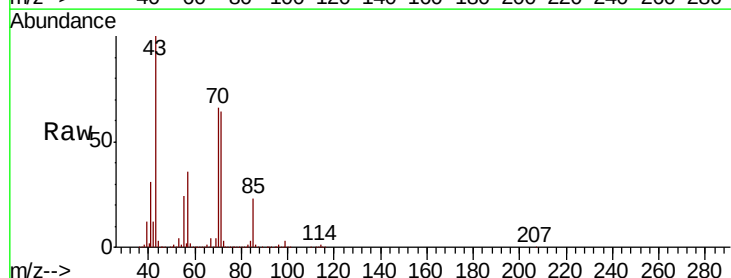
Acq: 22 Dec 2018 15:51

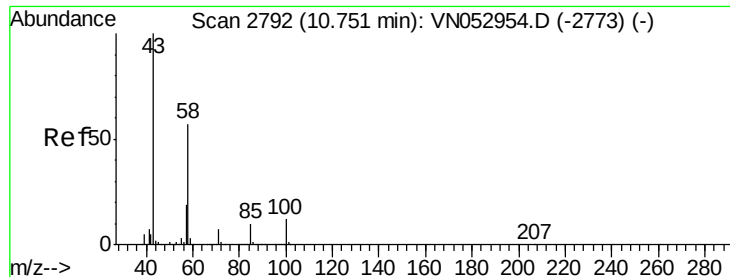
Tgt Ion: 63 Resp: 24254

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.6#

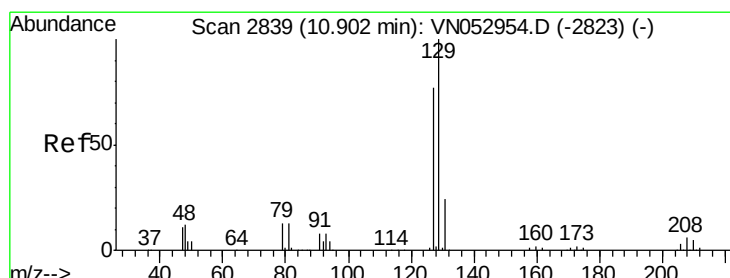
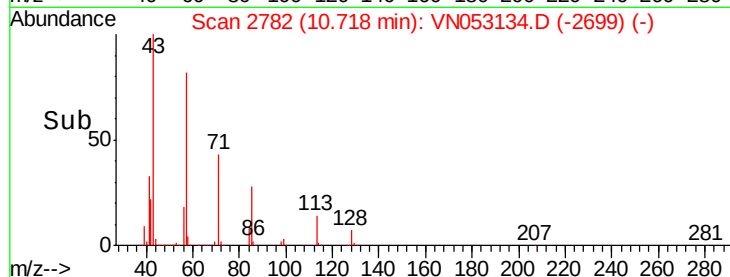
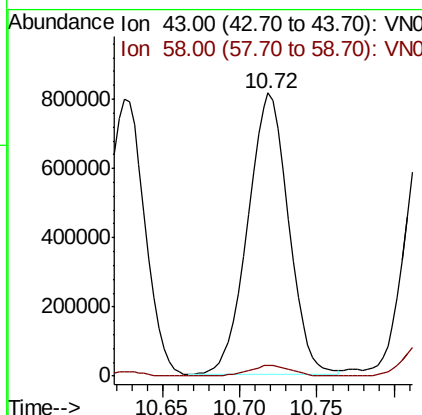
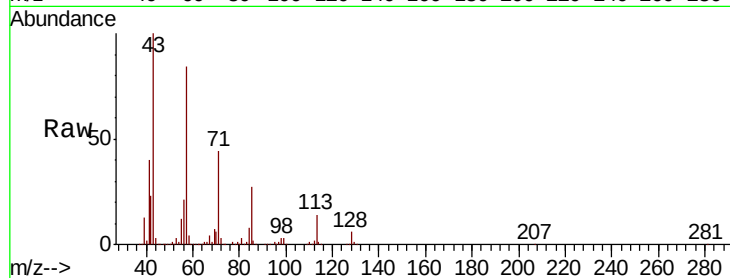




#59
2-Hexanone
Concen: 245.669 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

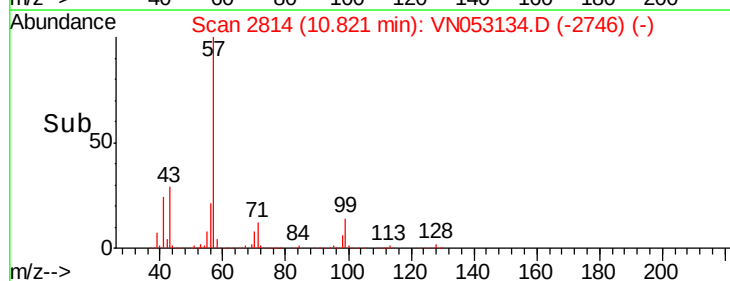
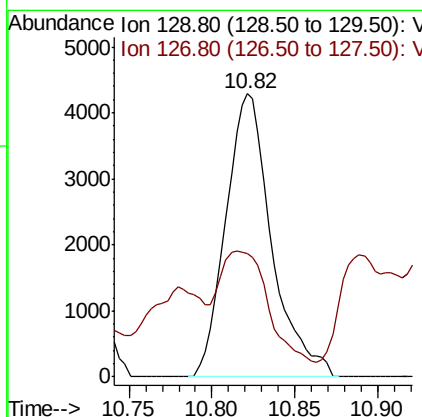
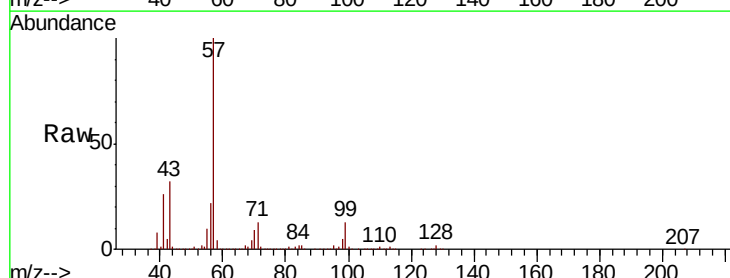
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

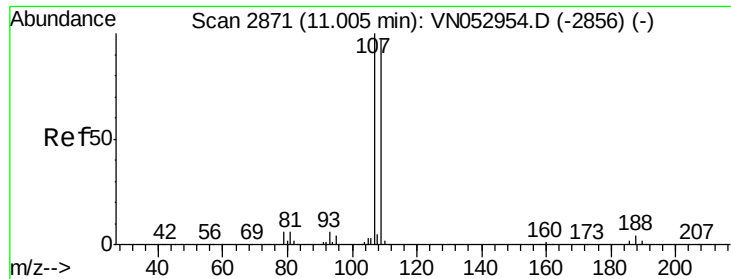
Tot Ion: 43 Resp: 1487328
Ion Ratio Lower Upper
43 100
58 4.0 28.1 84.3#



#60
Dibromochloromethane
Concen: 0.676 ug/l
RT: 10.82 min Scan# 2814
Delta R.T. -0.08 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion: 129 Resp: 8243
Ion Ratio Lower Upper
129 100
127 40.5 38.6 116.0

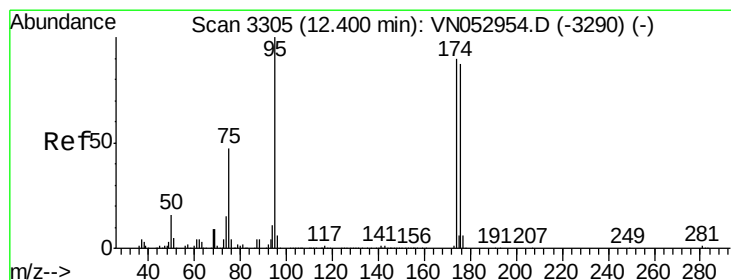
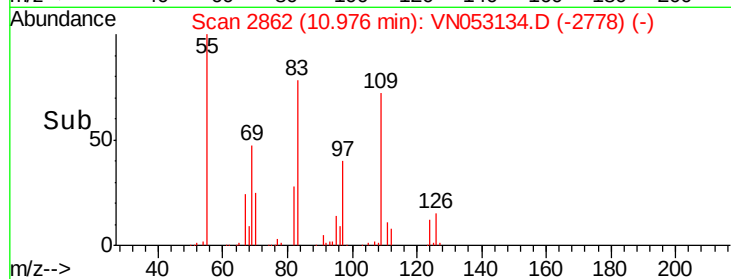
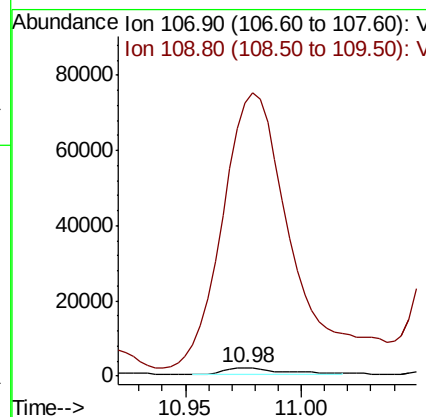
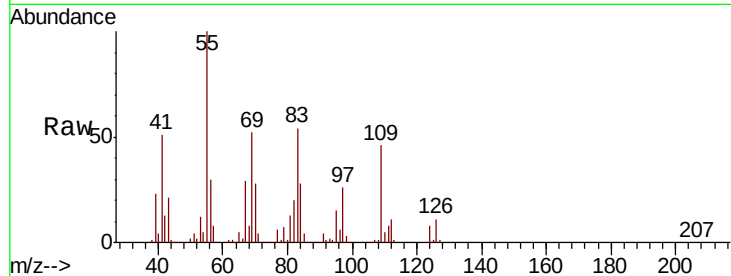




#61
 1,2-Dibromoethane
 Concen: 0.337 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.03 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

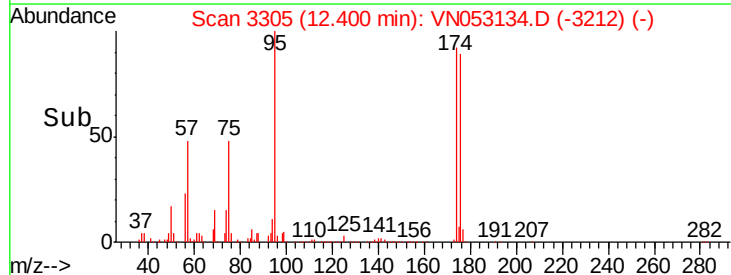
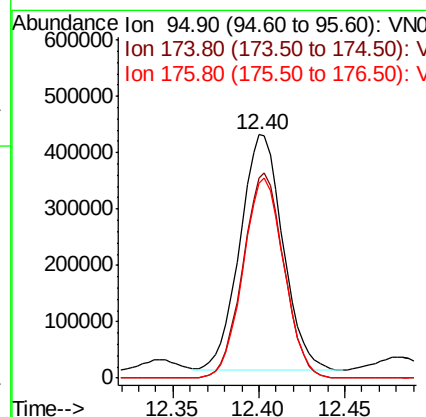
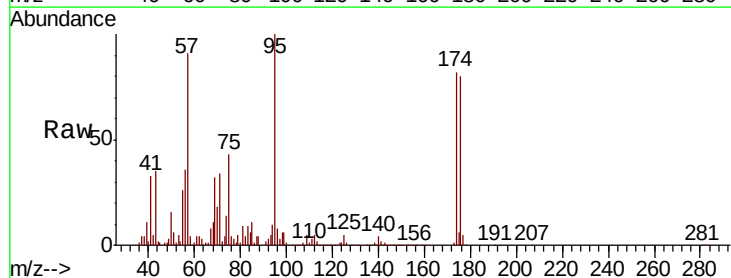
Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(20-22)-FDME

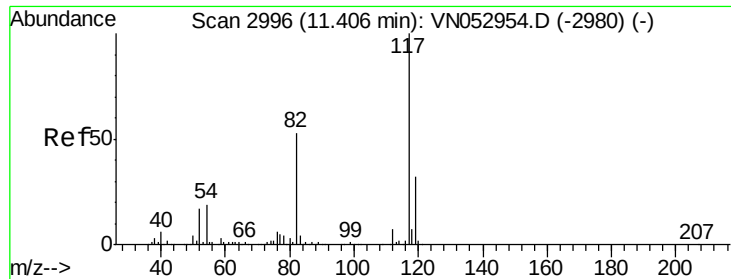
Tot Ion:107 Resp: 3643
 Ion Ratio Lower Upper
 107 100
 109 4190.7 75.4 113.0#



#62
 4-Bromofluorobenzene
 Concen: 0.337 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

Tgt Ion: 95 Resp: 728242
 Ion Ratio Lower Upper
 95 100
 174 82.6 0.0 178.8
 176 80.7 0.0 173.8

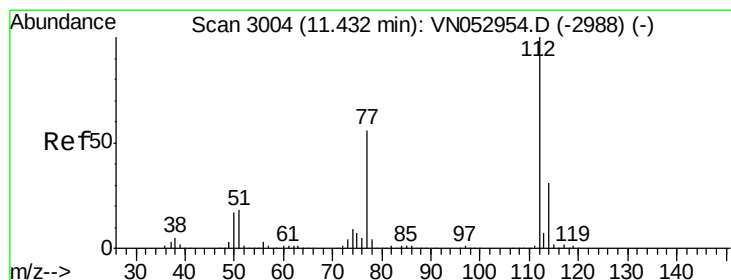
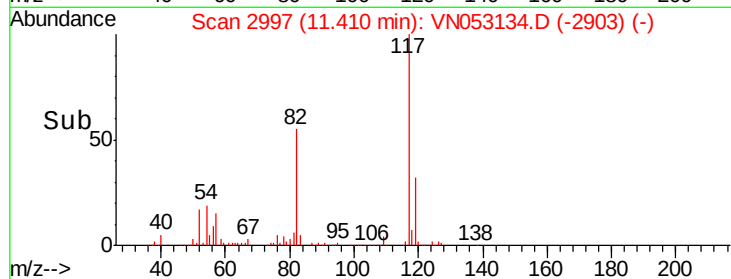
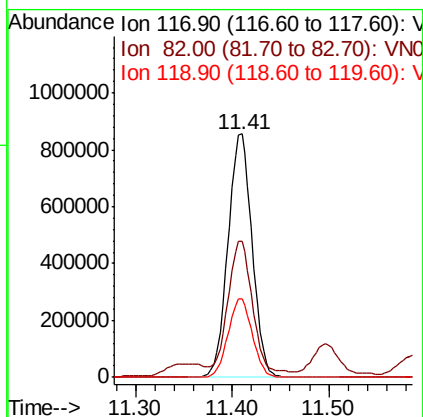
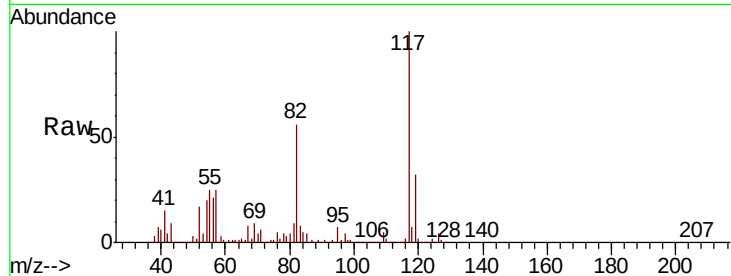




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

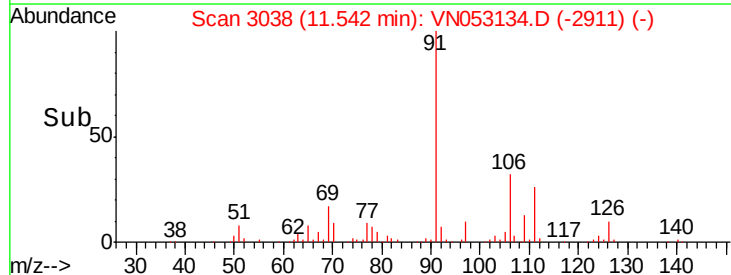
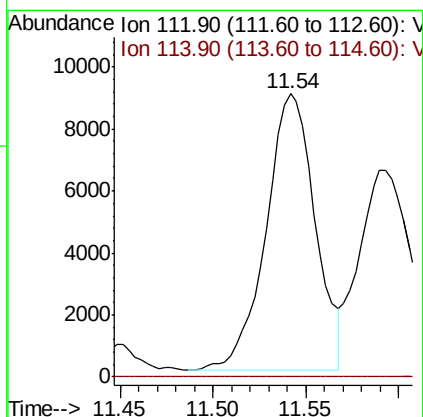
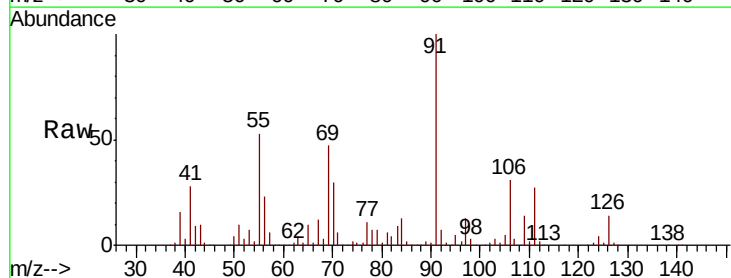
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

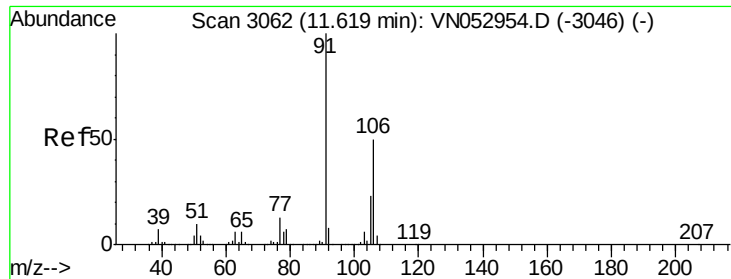
Tot Ion:117 Resp: 1478399
Ion Ratio Lower Upper
117 100
82 50.6 42.8 64.2
119 32.4 25.5 38.3



#65
Chlorobenzene
Concen: 0.503 ug/l
RT: 11.54 min Scan# 3038
Delta R.T. 0.11 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion:112 Resp: 16485
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#

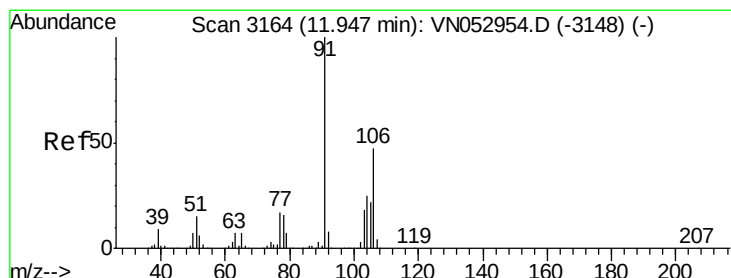
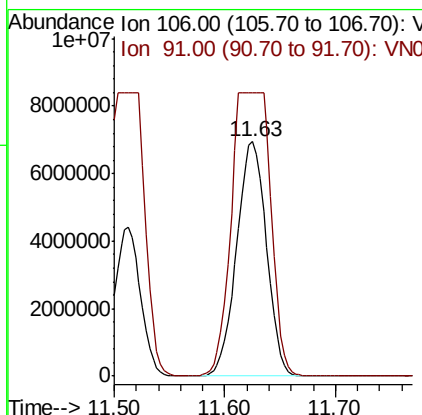
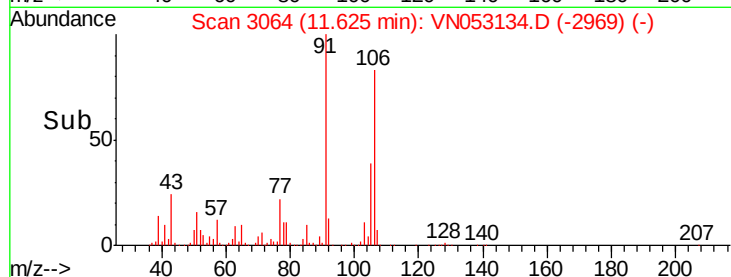
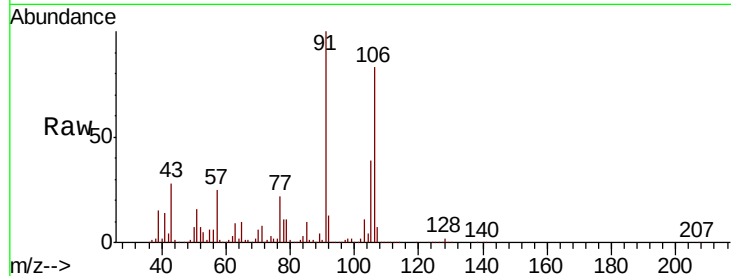




#68
m/p-Xylenes
Concen: 606.617 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

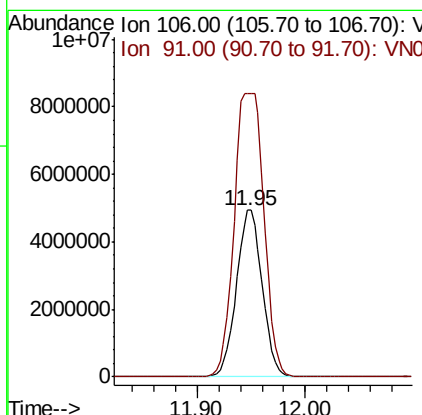
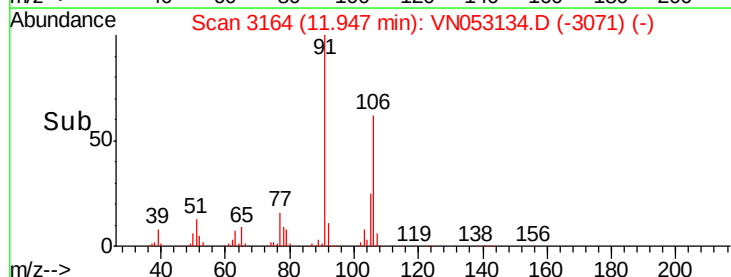
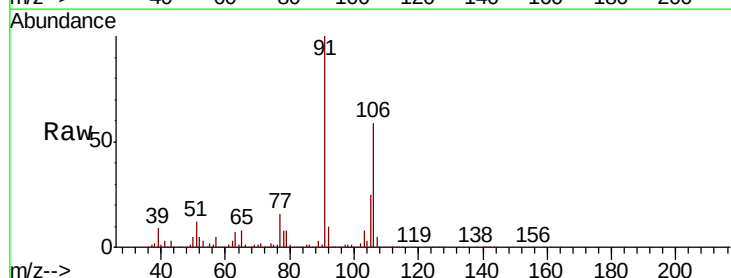
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

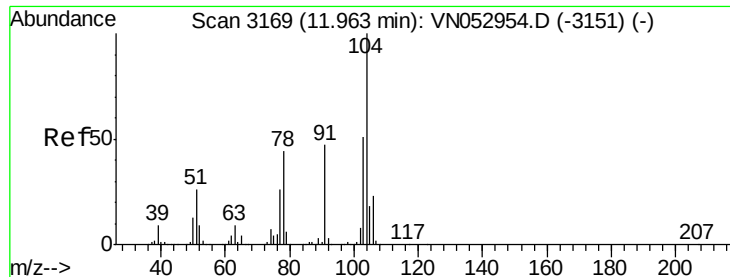
Tot Ion:106 Resp:12996969
Ion Ratio Lower Upper
106 100
91 0.0 162.2 243.4#



#69
o-Xylene
Concen: 398.155 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion:106 Resp: 8185806
Ion Ratio Lower Upper
106 100
91 197.0 106.6 319.8





#70

Stvrene

Concen: 11.671 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

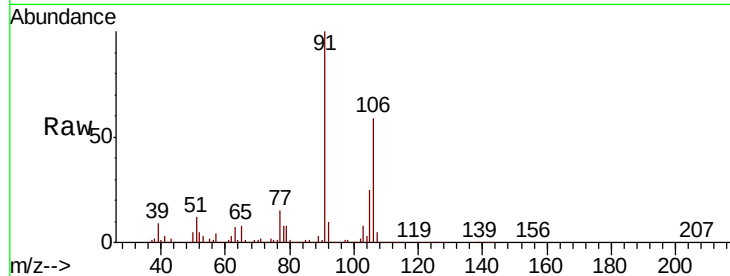
Tot Ion:104 Resp: 391272

Ion Ratio Lower Upper

104 100

78 285.6 38.9 58.3#

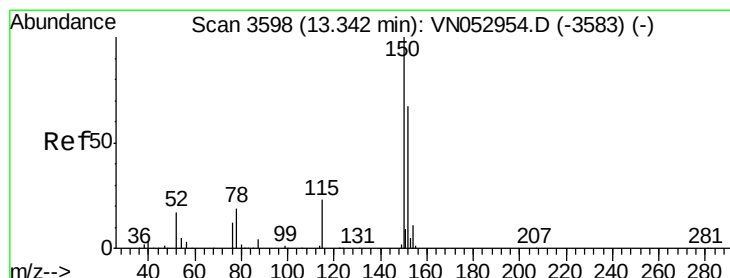
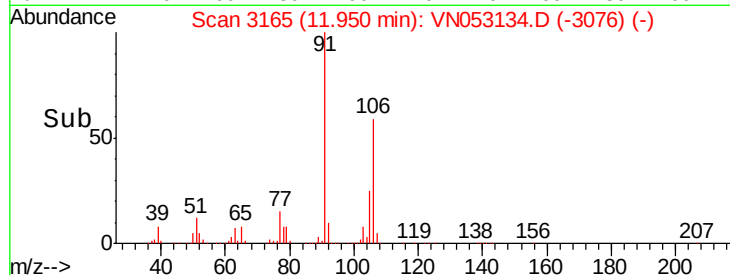
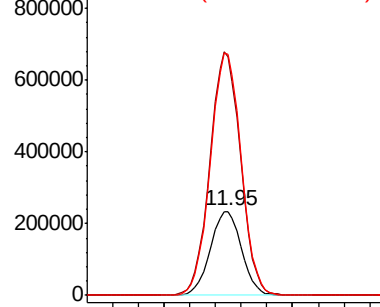
103 285.8 44.3 66.5#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

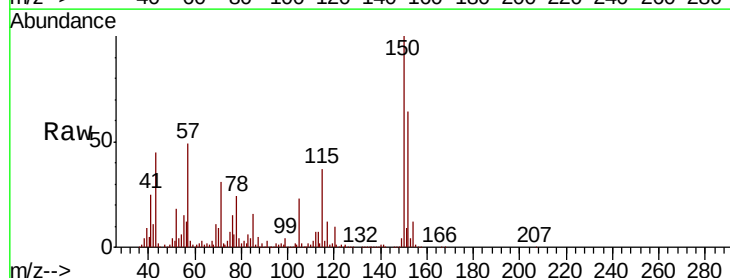
Tgt Ion:152 Resp: 688962

Ion Ratio Lower Upper

152 100

115 53.3 28.3 85.0

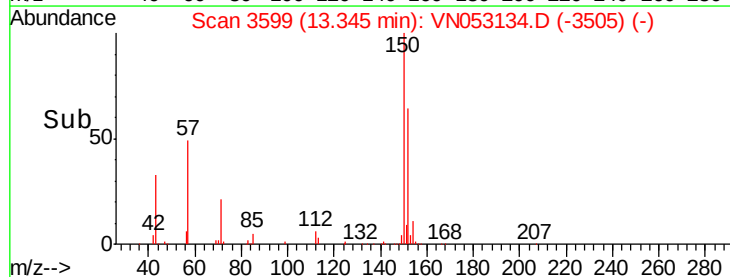
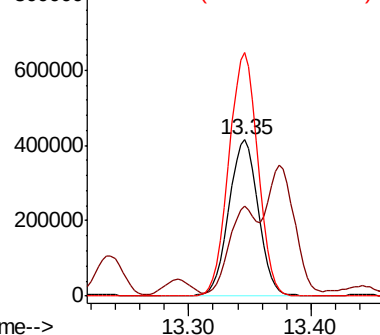
150 153.6 0.0 347.8

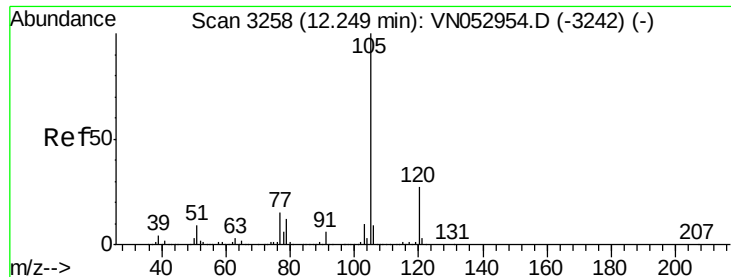


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 159.721 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

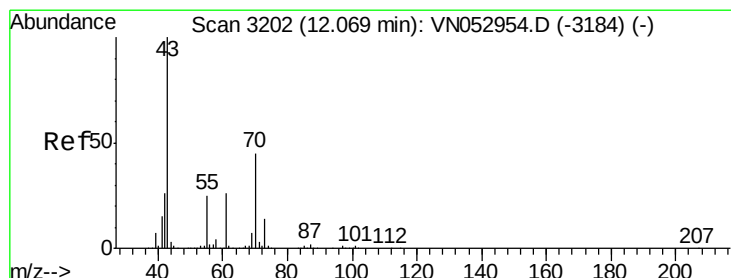
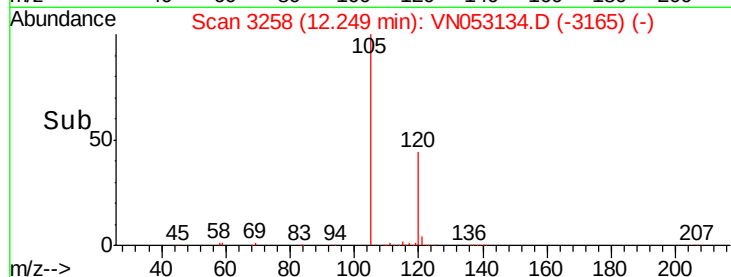
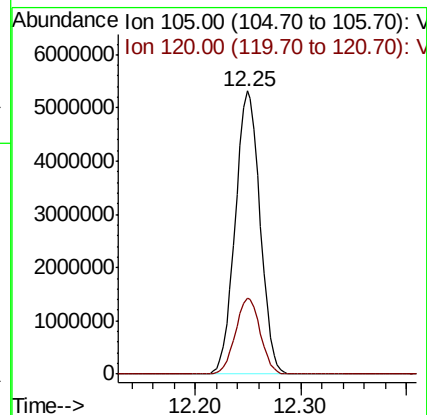
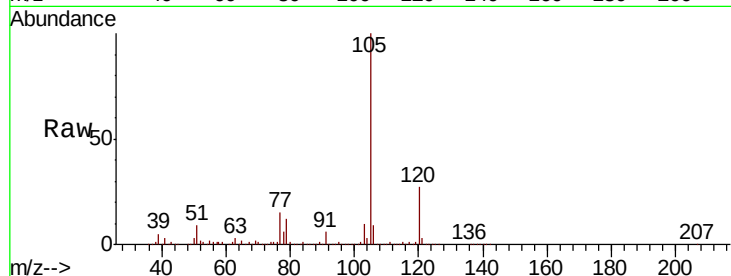
KY001SB106-121218-(20-22)-FDME

Tot Ion:105 Resp: 8609808

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



#74

N-ethyl acetate

Concen: 47.008 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Tgt Ion: 43 Resp: 703521

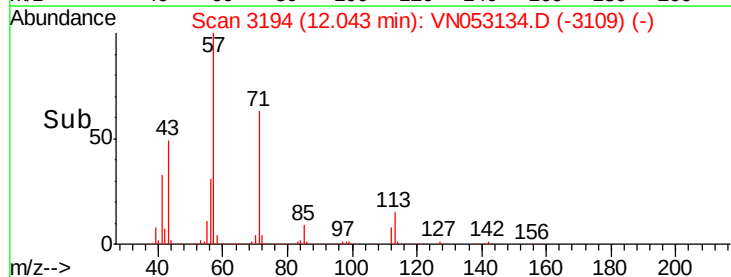
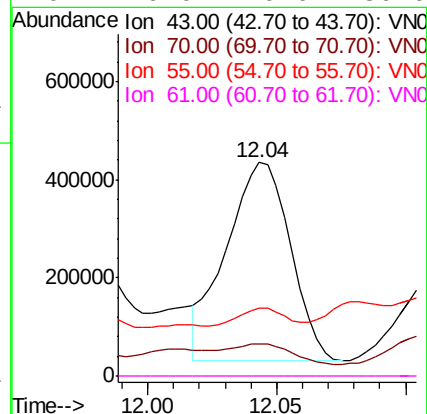
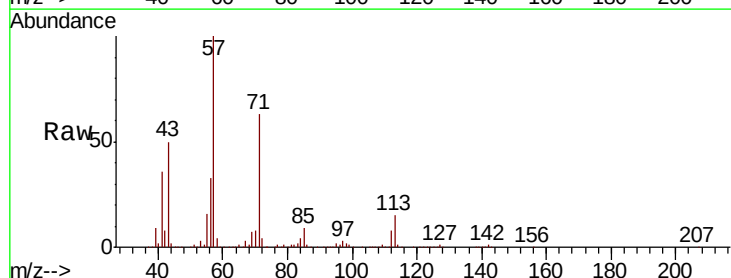
Ion Ratio Lower Upper

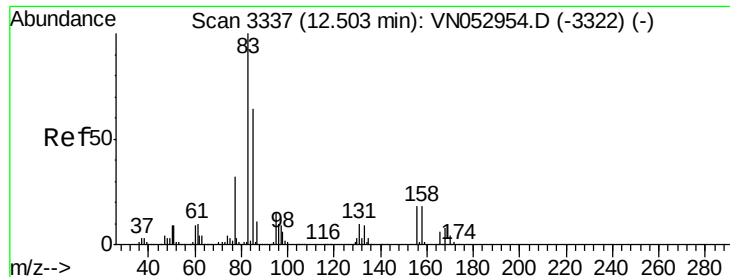
43 100

70 0.0 34.2 51.4#

55 5.5 20.3 30.5#

61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.746 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

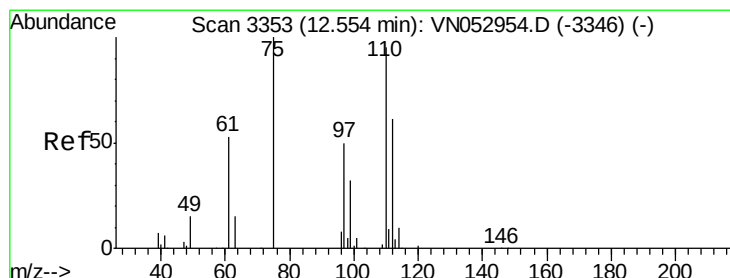
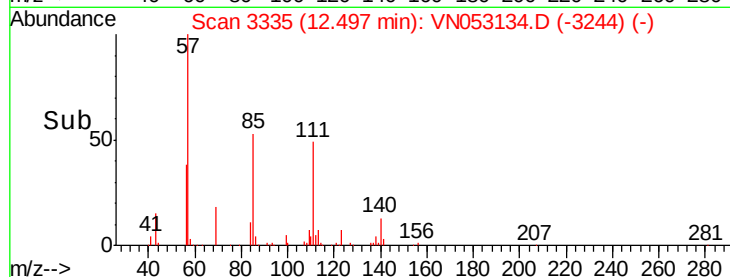
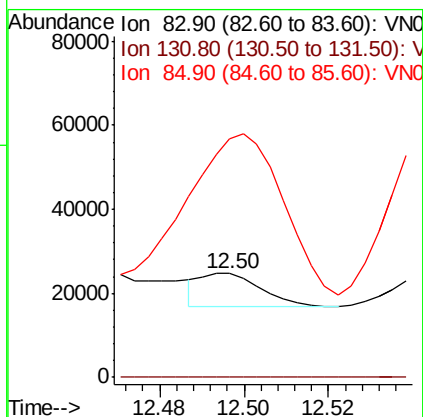
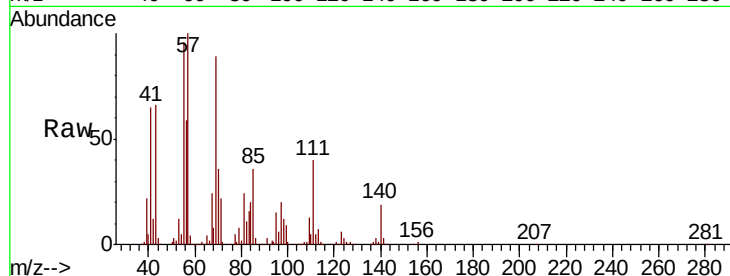
Tot Ion: 83 Resp: 7888

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 777.1 32.4 97.0#



#76

1,2,3-Trichloropropane

Concen: 7.688 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN053134.D

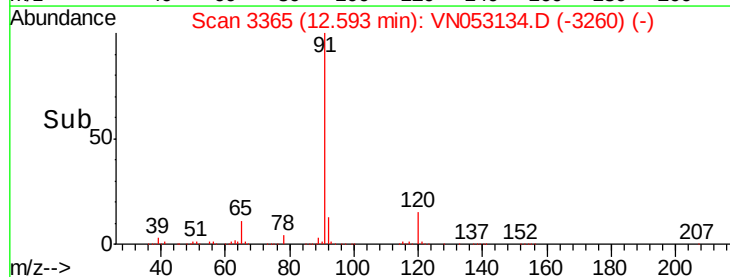
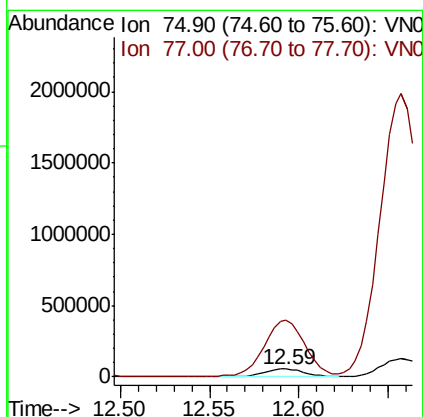
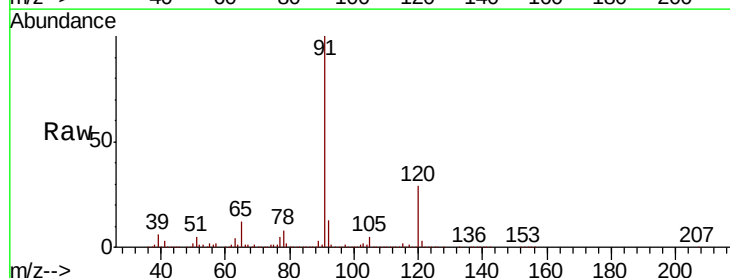
Acq: 22 Dec 2018 15:51

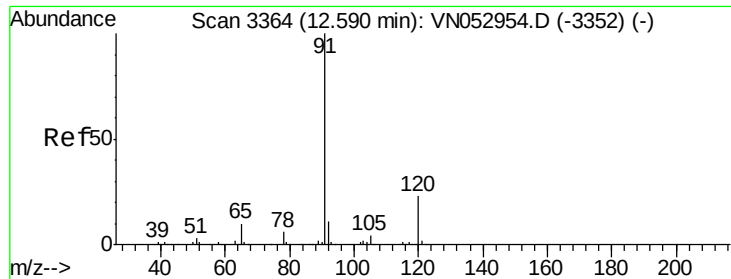
Tgt Ion: 75 Resp: 89169

Ion Ratio Lower Upper

75 100

77 700.3 0.0 0.0#





#78

n-propylbenzene

Concen: 251.188 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

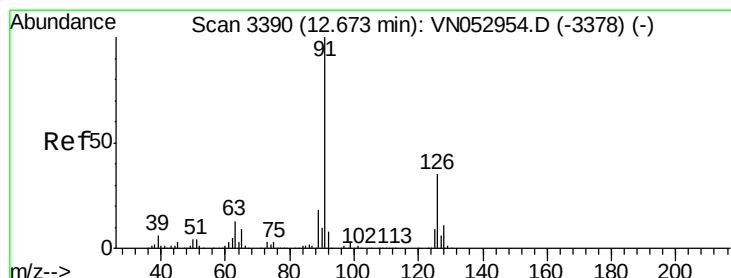
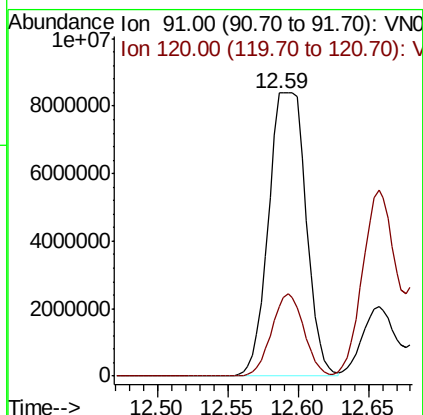
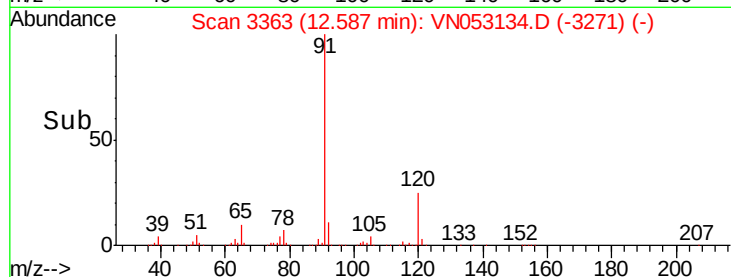
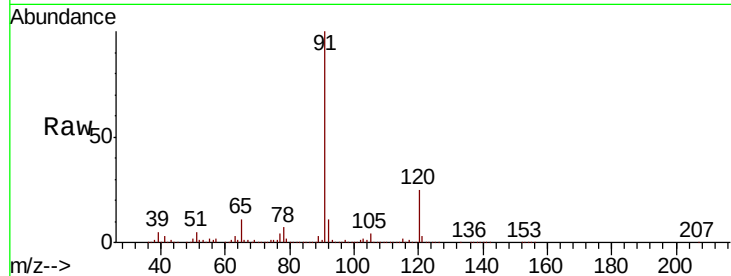
KY001SB106-121218-(20-22)-FDME

Tot Ion: 91 Resp:15421266

Ion Ratio Lower Upper

91 100

120 25.2 11.5 34.5



#79

2-Chlorotoluene

Concen: 88.850 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053134.D

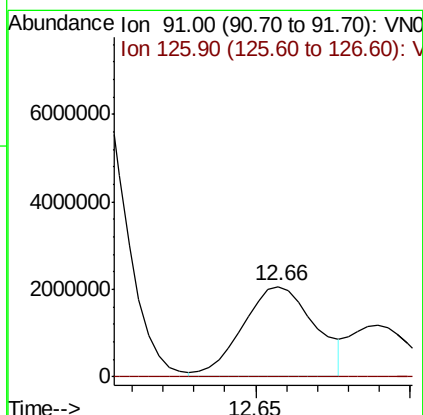
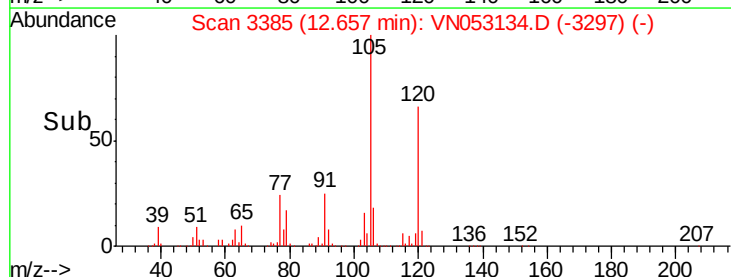
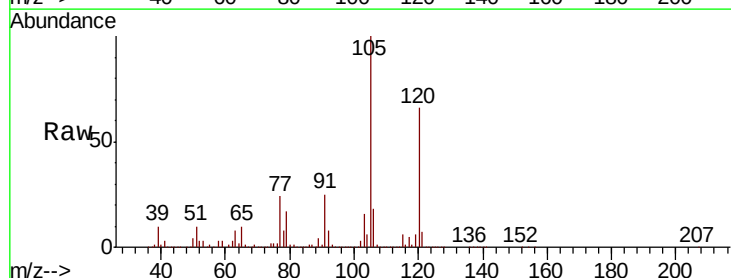
Acq: 22 Dec 2018 15:51

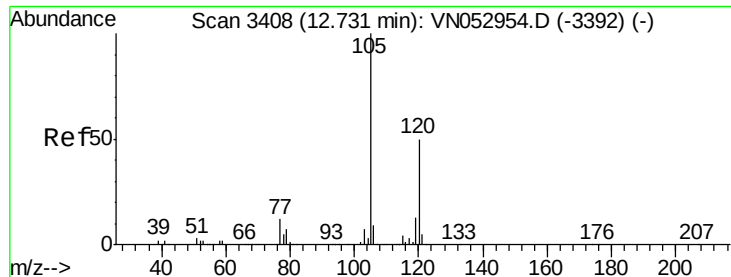
Tgt Ion: 91 Resp: 3381147

Ion Ratio Lower Upper

91 100

126 0.1 17.4 52.3#





#80

1,3,5-Trimethylbenzene

Concen: 328.858 ug/l

RT: 12.89 min Scan# 3457

Delta R.T. 0.16 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

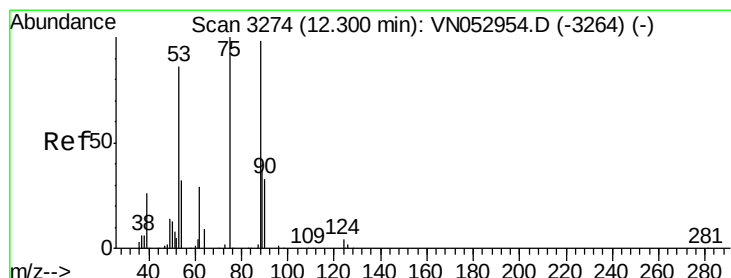
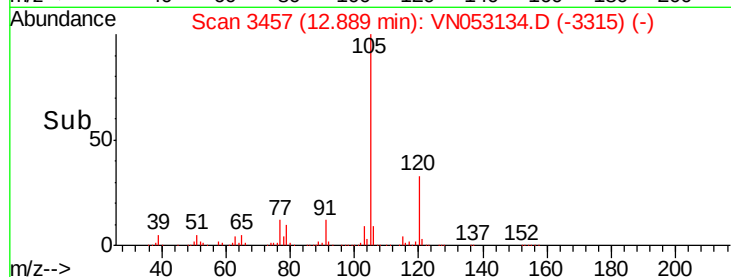
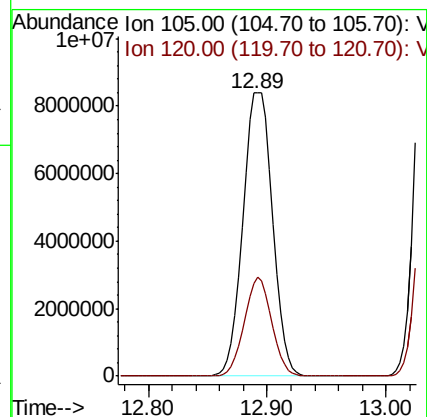
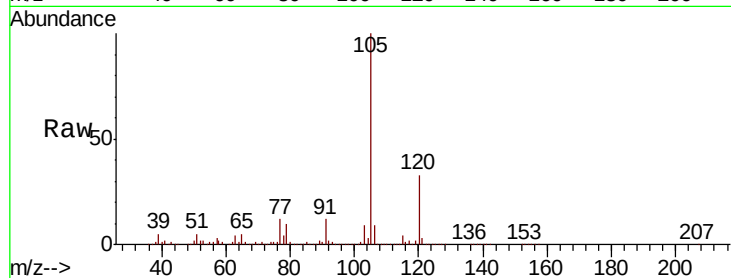
KY001SB106-121218-(20-22)-FDME

Tot Ion:105 Resp:14449167

Ion Ratio Lower Upper

105 100

120 32.2 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 24.829 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

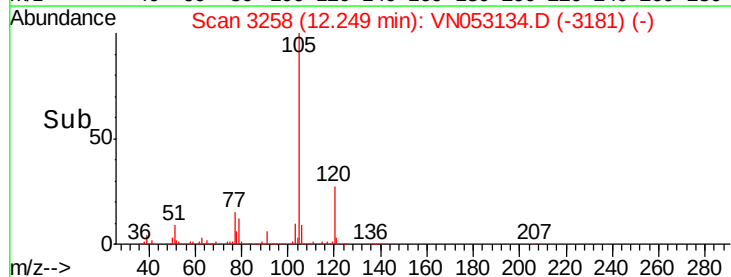
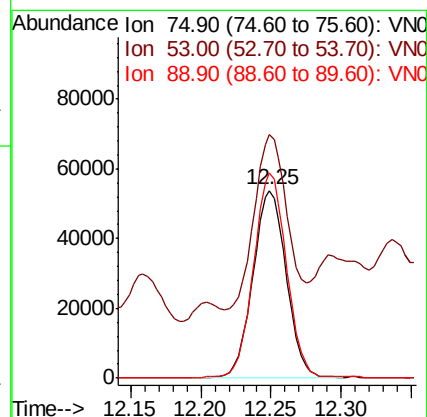
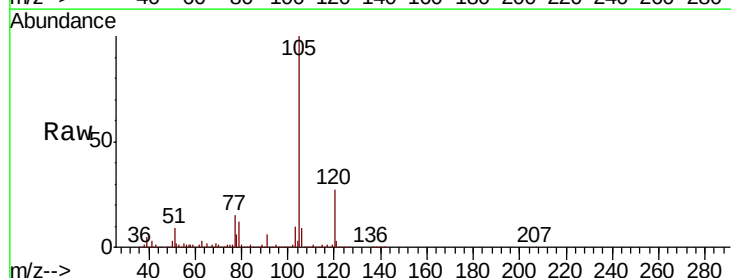
Tgt Ion: 75 Resp: 89343

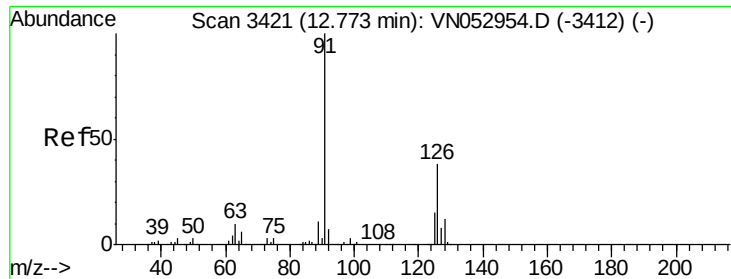
Ion Ratio Lower Upper

75 100

53 111.6 74.7 112.1

89 107.9 36.1 54.1#

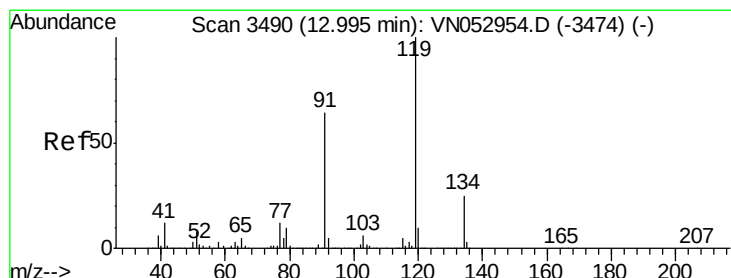
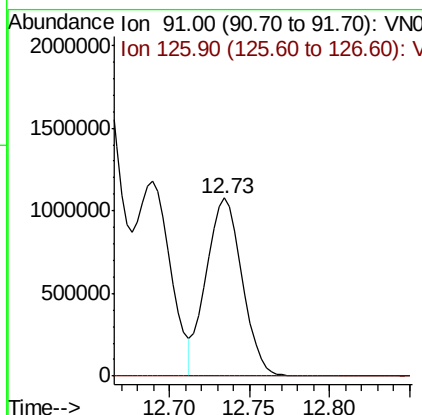
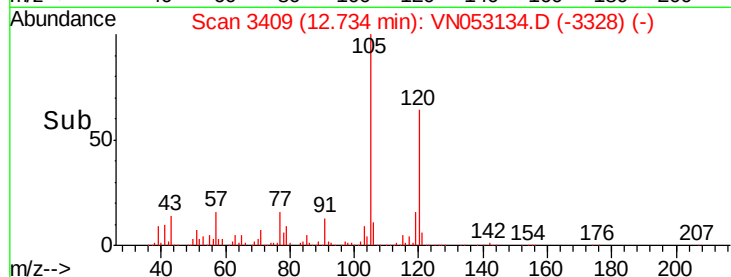
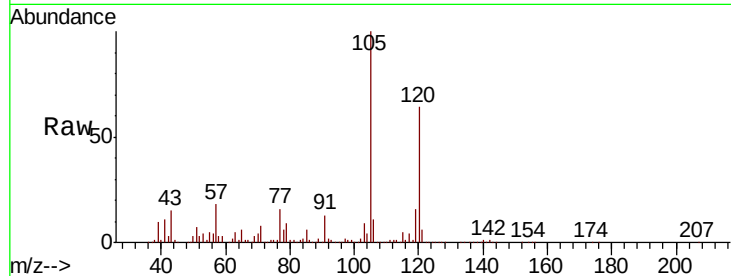




#82
4-Chlorotoluene
Concen: 44.576 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

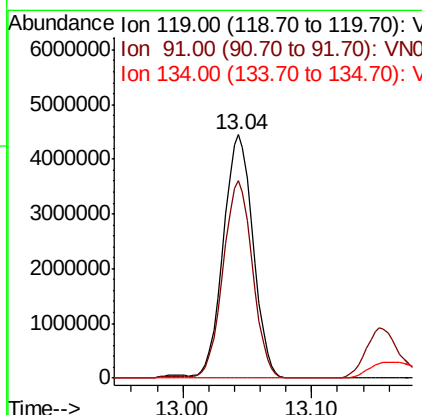
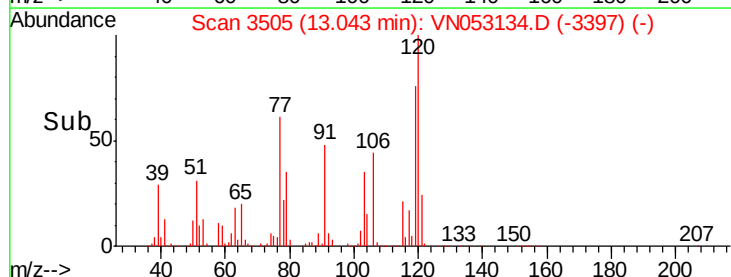
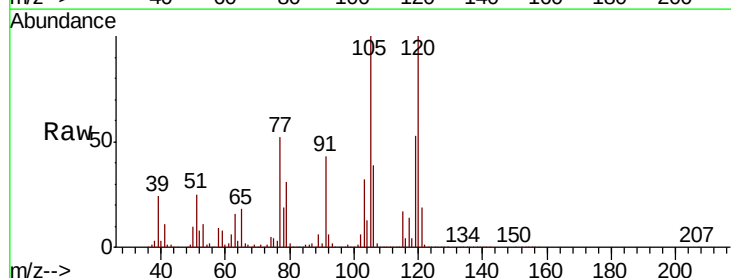
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

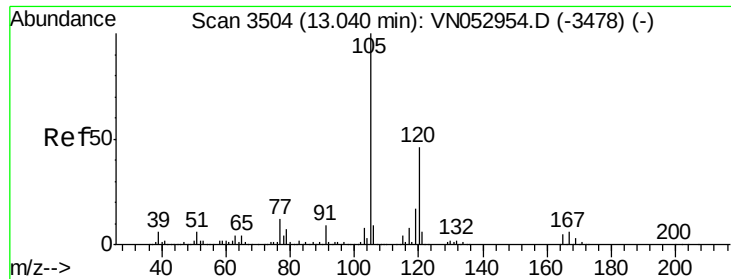
Tot Ion: 91 Resp: 1660528
Ion Ratio Lower Upper
91 100
126 0.4 17.3 51.7#



#83
tert-Butylbenzene
Concen: 182.779 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.05 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion: 119 Resp: 7102553
Ion Ratio Lower Upper
119 100
91 79.6 31.9 95.5
134 0.0 12.8 38.4#





#84

1,2,4-Trimethylbenzene

Concen: 327.165 ug/l

RT: 12.89 min Scan# 3457

Delta R.T. -0.15 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

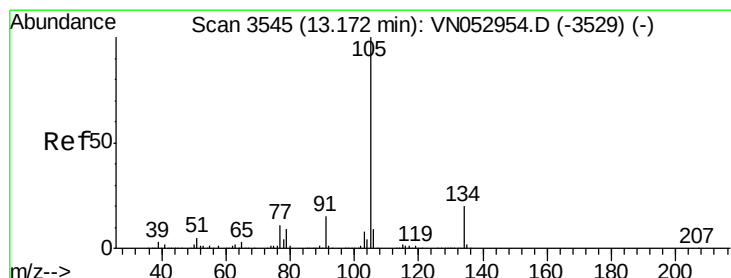
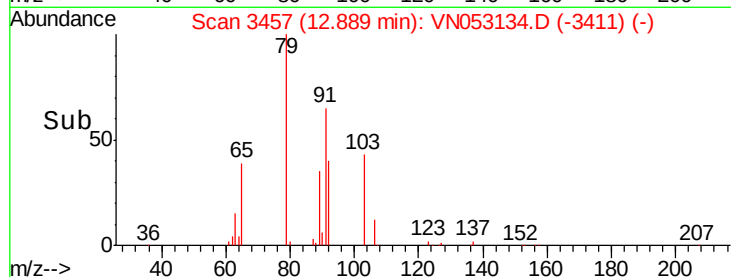
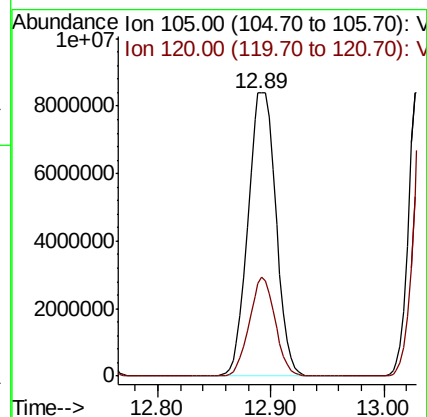
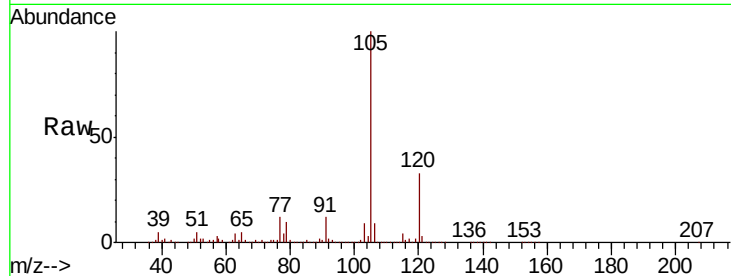
KY001SB106-121218-(20-22)-FDME

Tot Ion:105 Resp:14450706

Ion Ratio Lower Upper

105 100

120 32.2 22.9 68.8



#85

sec-Butylbenzene

Concen: 31.627 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053134.D

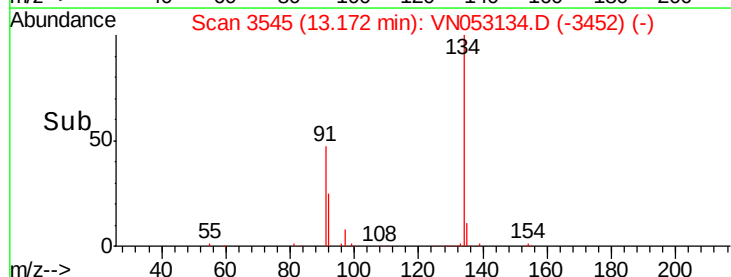
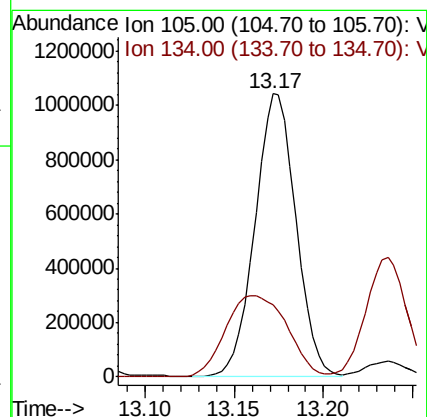
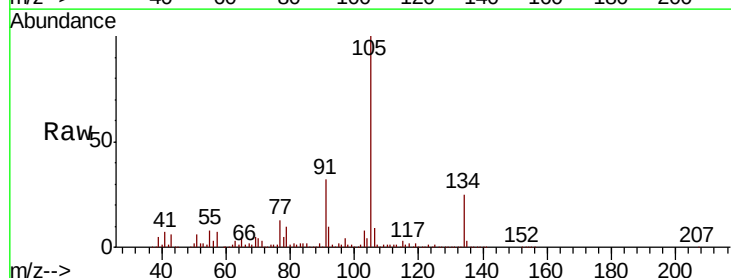
Acq: 22 Dec 2018 15:51

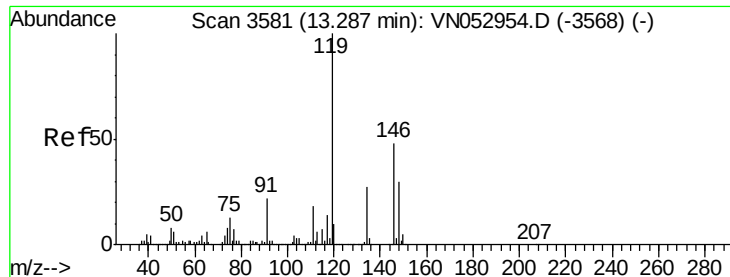
Tgt Ion:105 Resp: 1662332

Ion Ratio Lower Upper

105 100

134 43.5 10.1 30.3#

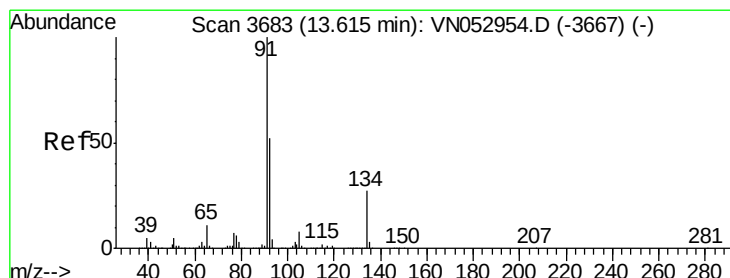
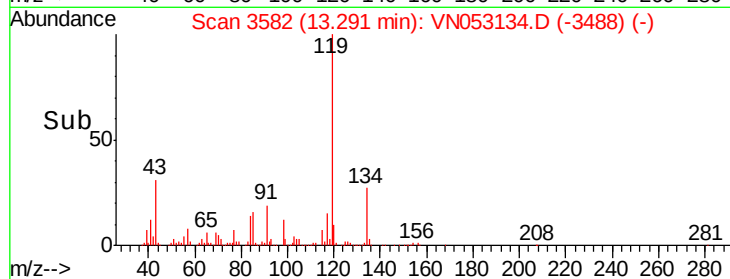
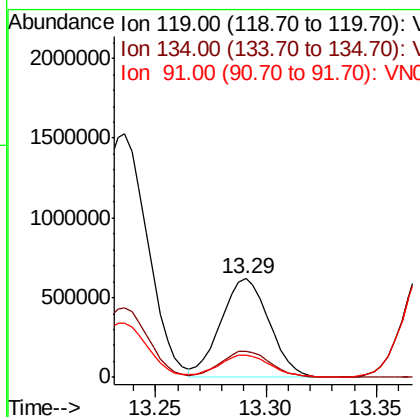
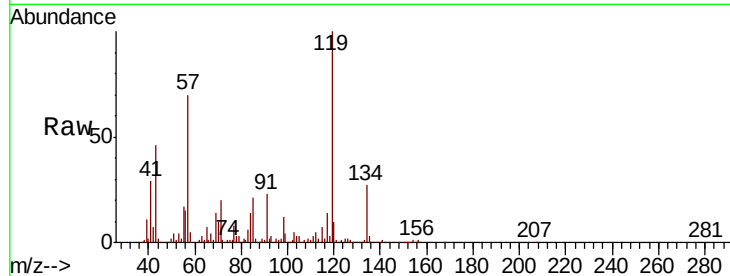




#86
 p-Isopropyltoluene
 Concen: 20.689 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

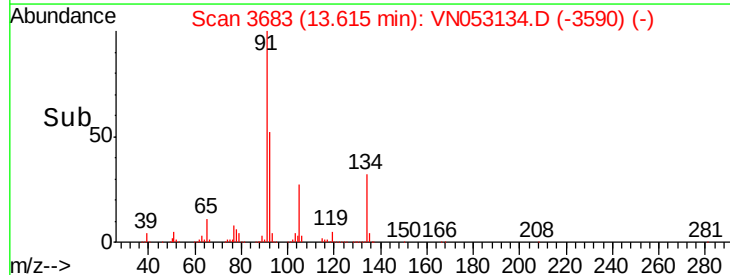
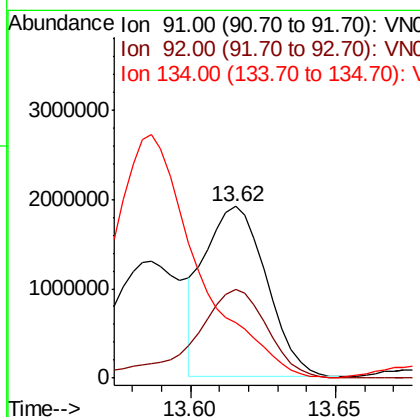
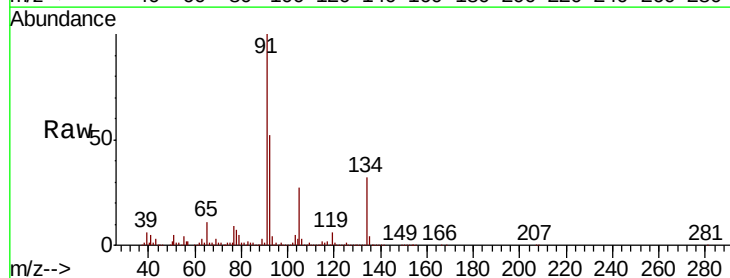
Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(20-22)-FDME

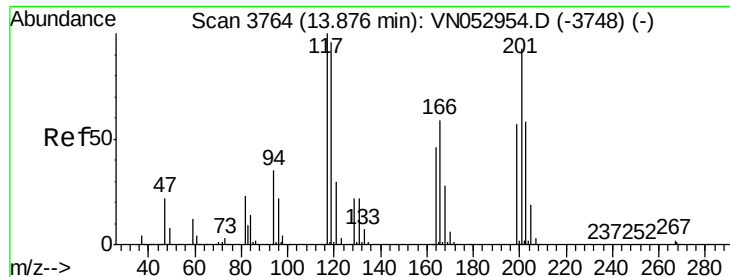
Tot Ion:119 Resp: 939638
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 22.6 11.1 33.3



#89
 n-Butylbenzene
 Concen: 71.718 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

Tgt Ion: 91 Resp: 2802190
 Ion Ratio Lower Upper
 91 100
 92 62.2 26.3 78.9
 134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 131.315 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

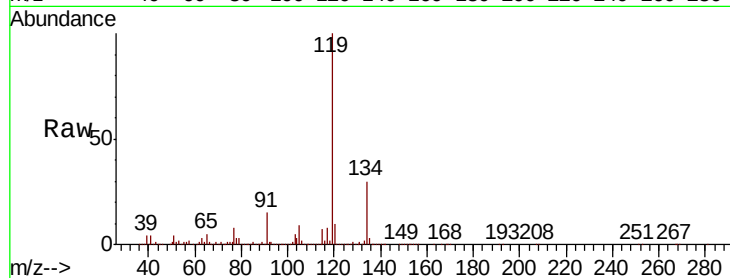
KY001SB106-121218-(20-22)-FDME

Tot Ion:117 Resp: 915200

Ion Ratio Lower Upper

117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

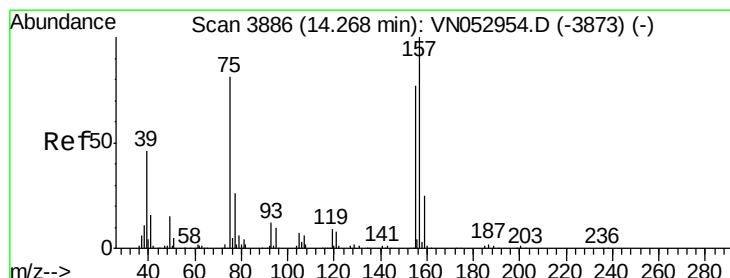
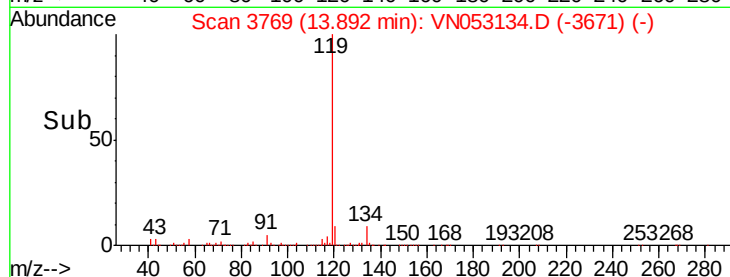
600000

400000

200000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.713 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

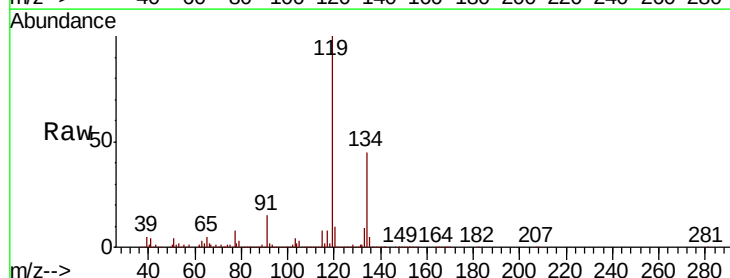
Tgt Ion: 75 Resp: 45189

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 0.0 61.2 183.5#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.25

40000

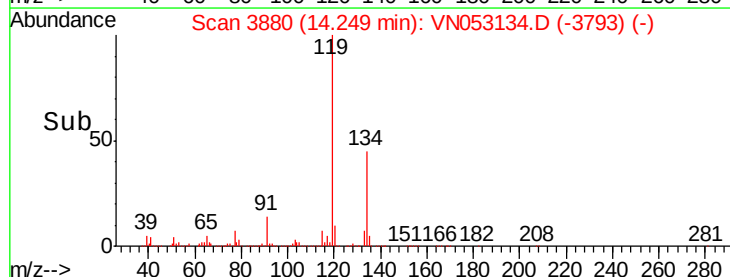
30000

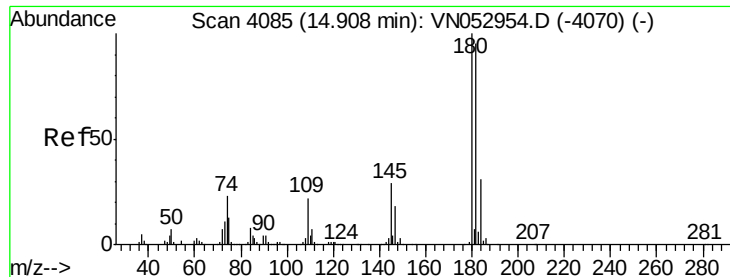
20000

10000

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 0.686 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

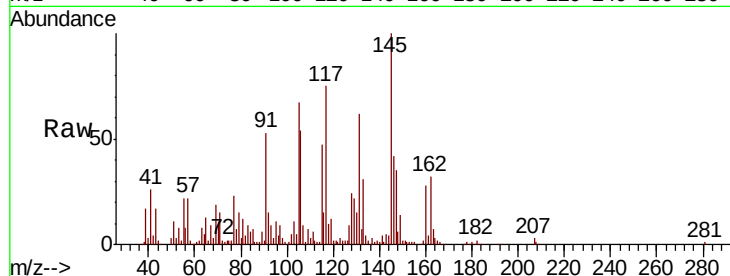
Tot Ion:180 Resp: 1122

Ion Ratio Lower Upper

180 100

182 71.0 47.8 143.3

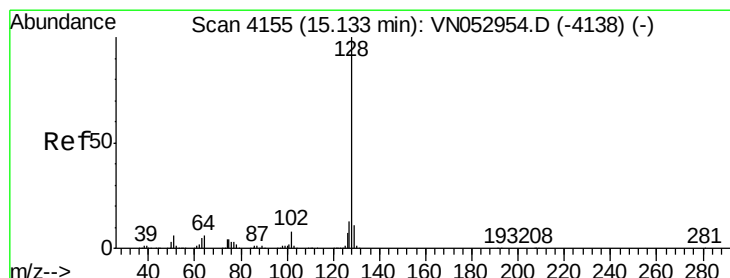
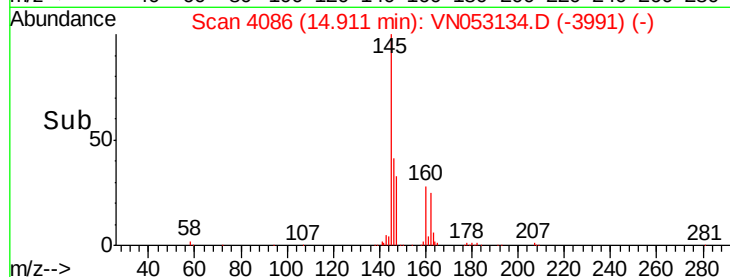
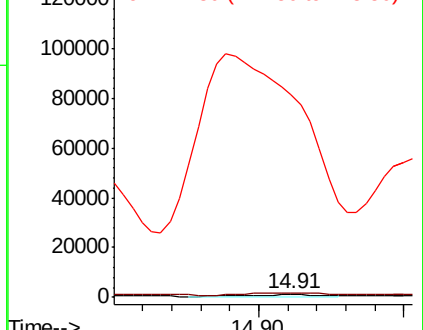
145 0.0 14.2 42.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 215.571 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

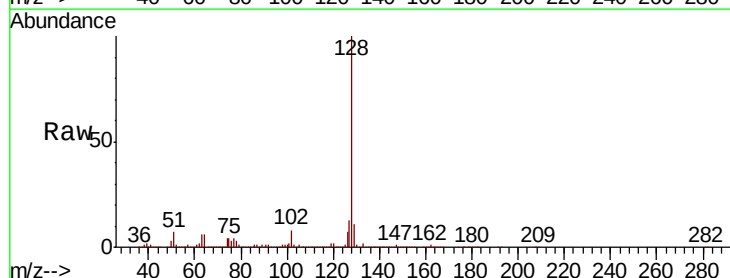
Tgt Ion:128 Resp: 5944722

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

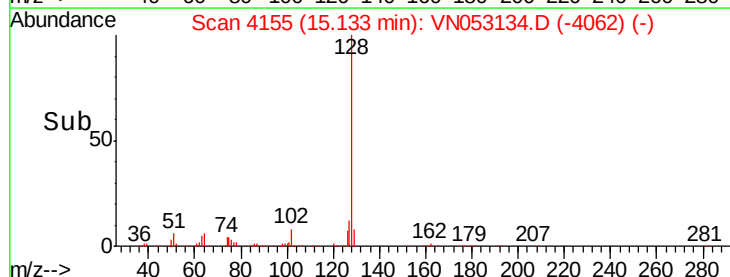
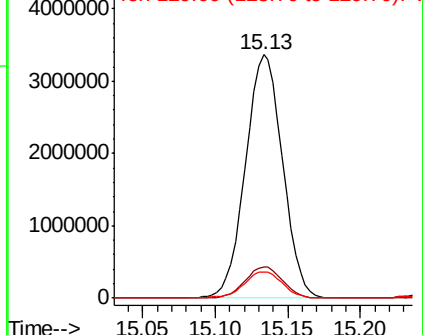
129 11.0 8.6 13.0

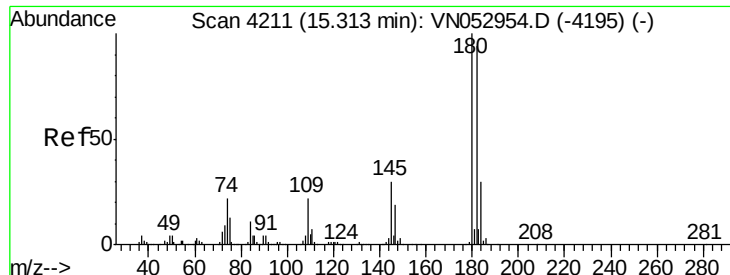


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

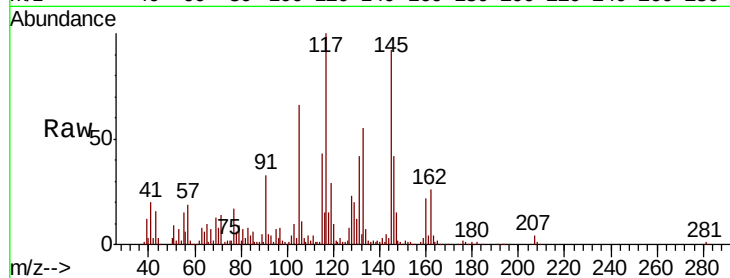




#96
 1,2,3-Trichlorobenzene
 Concen: 0.556 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(20-22)-FDME

Tot Ion	Ratio	Lower	Upper
180	100		
182	122.4	47.9	143.7
145	0.0	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

