

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053426.D
 Acq On : 16 Jan 2019 15:41
 Operator : JC/SP
 Sample : PB116405ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116405ZHE#09

Quant Time: Jan 17 03:56:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	945572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1490026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1424480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	586283	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	487001	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	7.59	113	434830	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.09	98	1874211	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	634247	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	

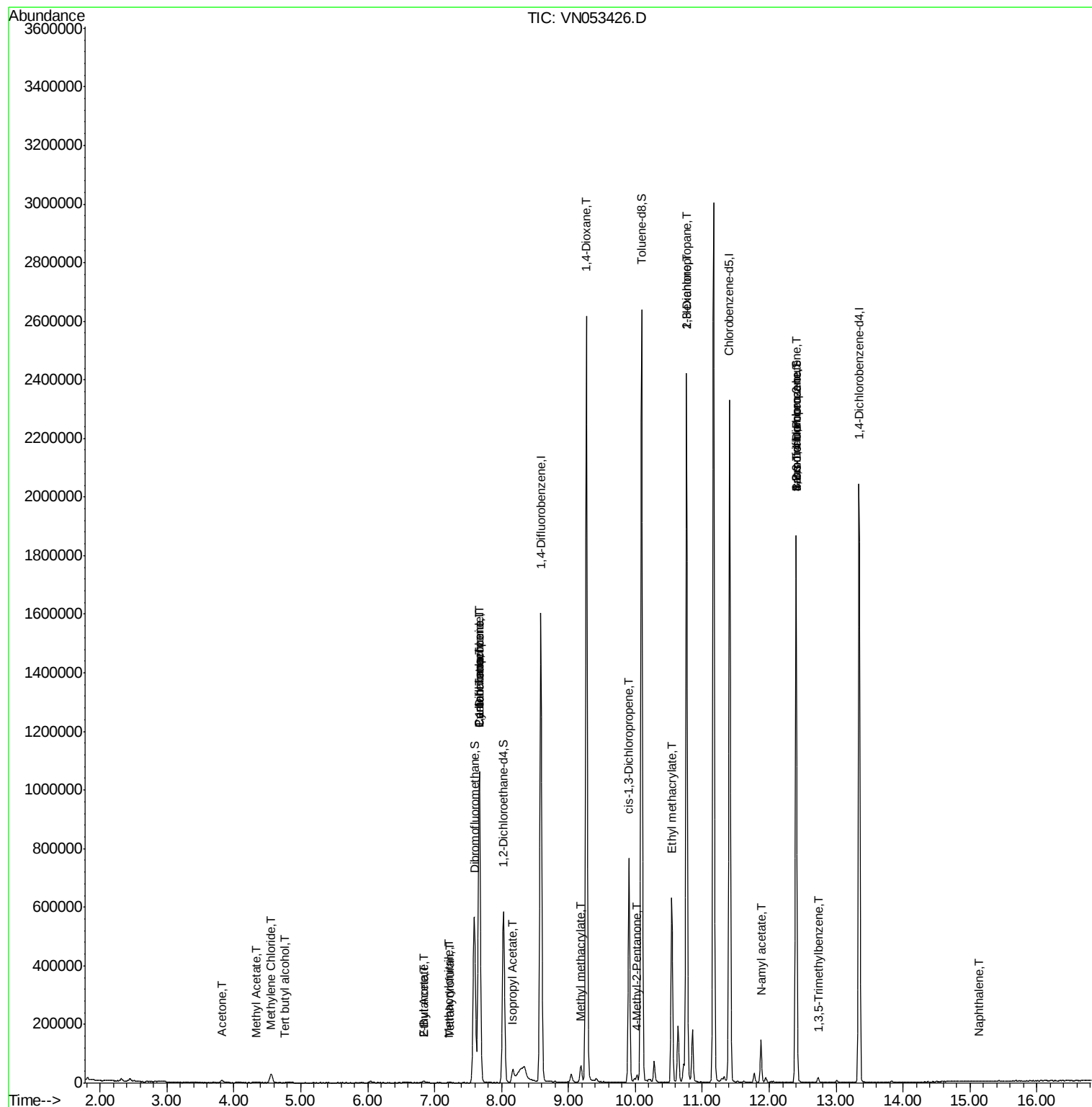
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	197	0.431	ug/l #	72
16) Acetone	3.82	43	13746	6.269	ug/l	100
18) Methyl Acetate	4.33	43	2287	0.310	ug/l	94
20) Methylene Chloride	4.55	84	22750	2.272	ug/l	95
25) 2-Butanone	6.85	43	7059	2.089	ug/l	94
29) Tetrahydrofuran	7.22	42	1273	0.579	ug/l #	79
31) Cyclohexane	7.67	56	15222	0.706	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	60995	4.495	ug/l #	49
37) Ethyl Acetate	6.85	43	7059	0.904	ug/l #	67
38) Carbon Tetrachloride	7.67	117	82393	6.413	ug/l #	15
41) Methacrylonitrile	7.20	41	228	0.716	ug/l #	40
43) Isopropyl Acetate	8.17	43	60105	4.282	ug/l #	82
48) Methyl methacrylate	9.18	41	20984	2.895	ug/l #	21
49) 1,4-Dioxane	9.27	88	307	4.337	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	22322	2.913	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	143533	9.154	ug/l #	62
56) Ethyl methacrylate	10.54	69	2297	2.234	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	25814	1.691	ug/l #	43
59) 2-Hexanone	10.76	43	345135	64.156	ug/l #	50
71) Bromoform	12.40	173	4482	0.621	ug/l #	1
74) N-amyl acetate	11.88	43	42728	3.733	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	294111	38.067	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7895	0.226	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.40	75	294111	93.991	ug/l #	15
95) Naphthalene	15.13	128	318	3.959	ug/l #	69

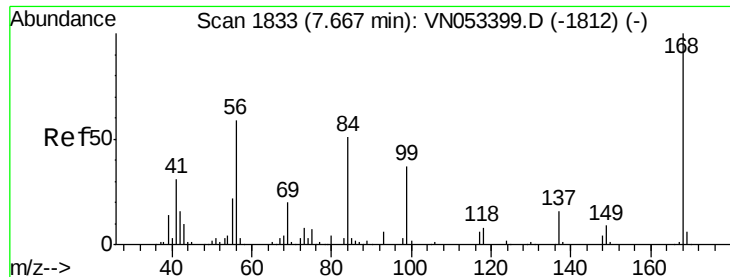
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011619\
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Quant Time: Jan 17 03:56:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

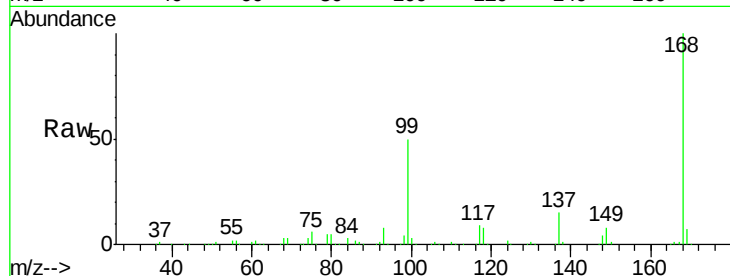
PB116405ZHE#09

Tot Ion:168 Resp: 945572

Ion Ratio Lower Upper

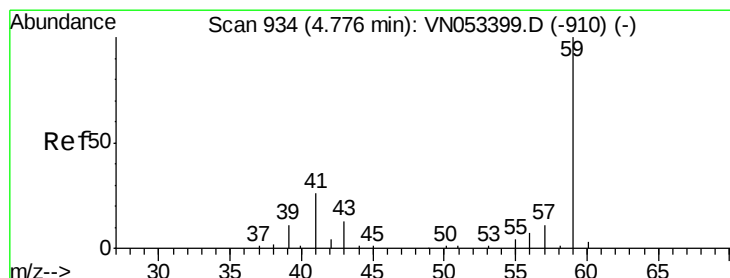
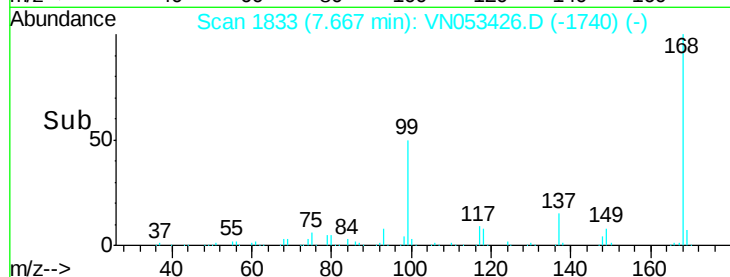
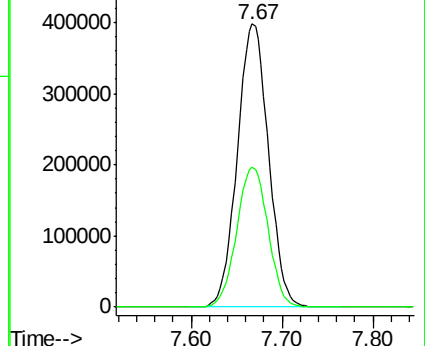
168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.431 ug/l

RT: 4.76 min Scan# 929

Delta R.T. -0.02 min

Lab File: VN053426.D

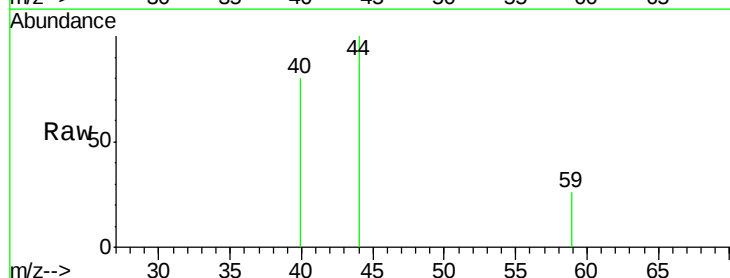
Acq: 16 Jan 2019 15:41

Tgt Ion: 59 Resp: 197

Ion Ratio Lower Upper

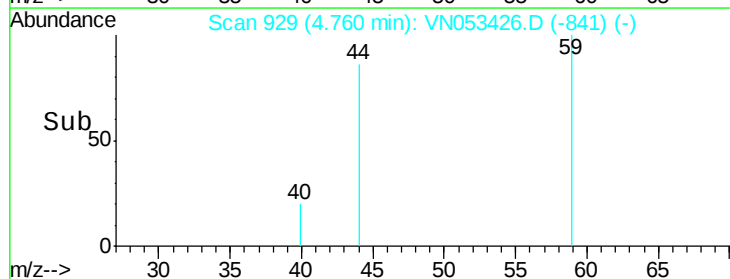
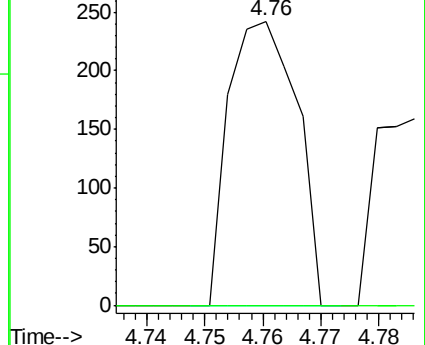
59 100

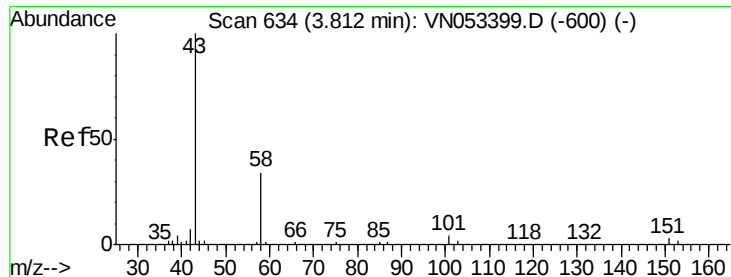
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 6.269 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

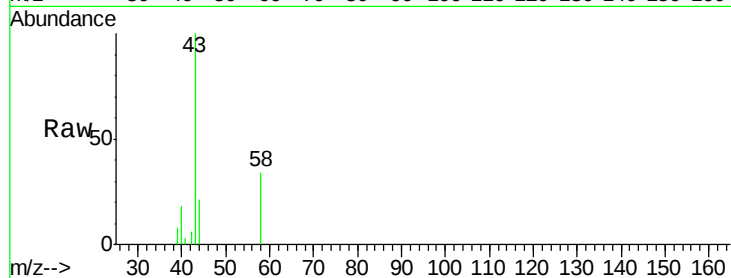
PB116405ZHE#09

Tot Ion: 43 Resp: 13746

Ion Ratio Lower Upper

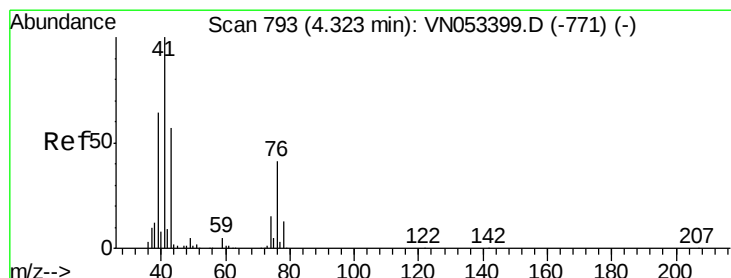
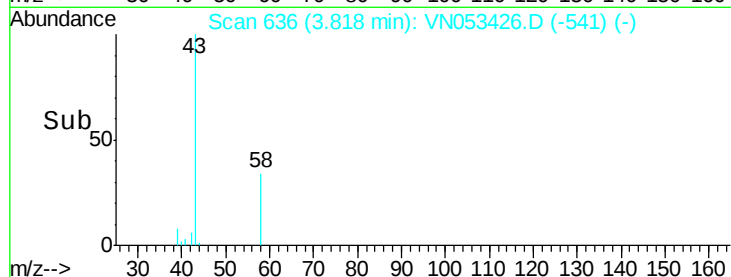
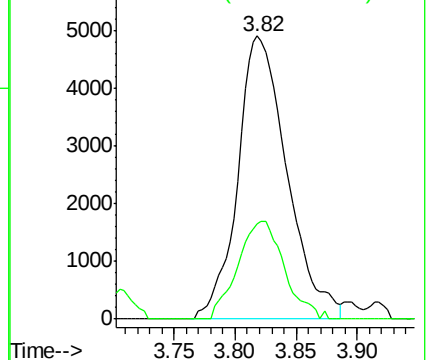
43 100

58 33.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.310 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053426.D

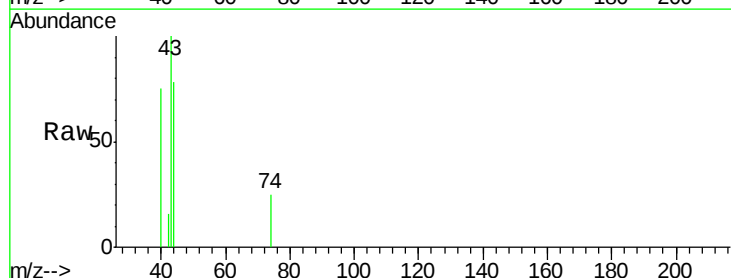
Acq: 16 Jan 2019 15:41

Tgt Ion: 43 Resp: 2287

Ion Ratio Lower Upper

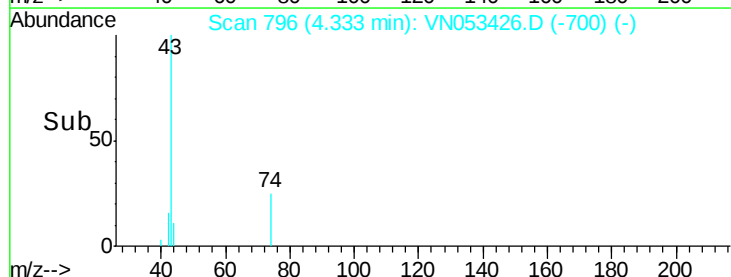
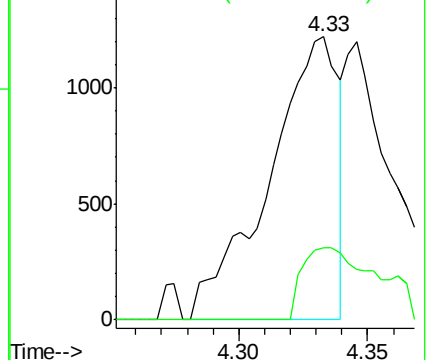
43 100

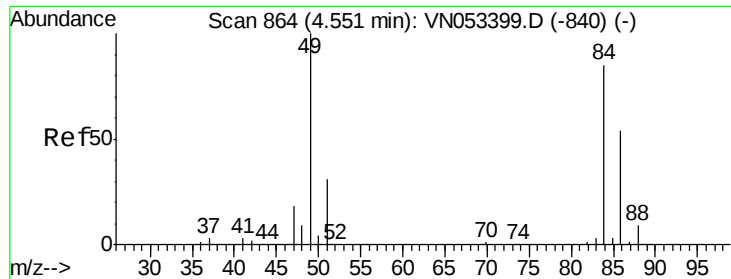
74 27.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

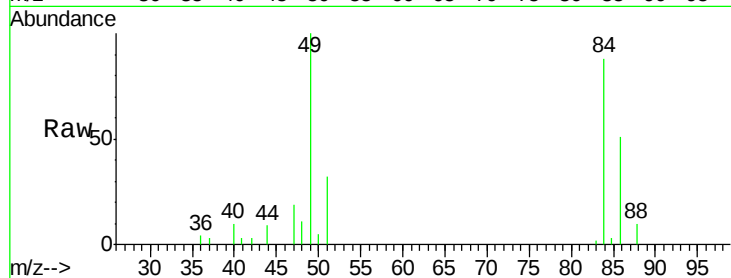




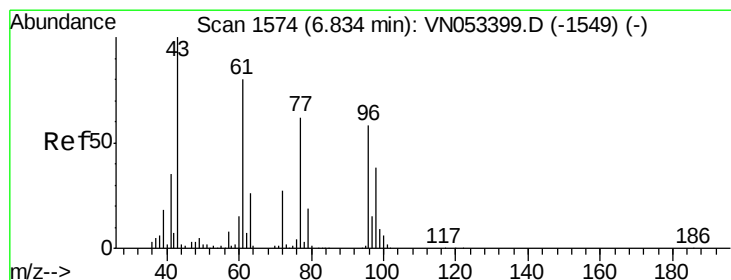
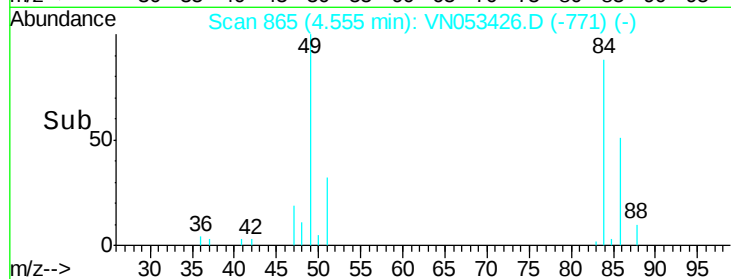
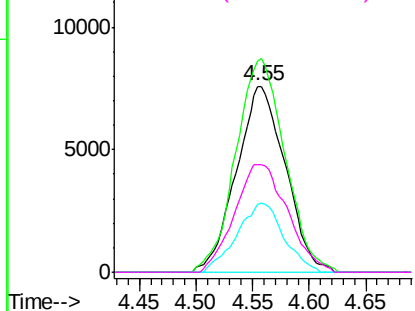
#20
Methylene Chloride
Concen: 2.272 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

Instrument :
MSVOA_N
ClientSampleId :
PB116405ZHE#09

Tot Ion: 84 Resp: 22750
Ion Ratio Lower Upper
84 100
49 113.3 94.3 141.5
51 36.4 29.4 44.2
86 58.0 51.4 77.0

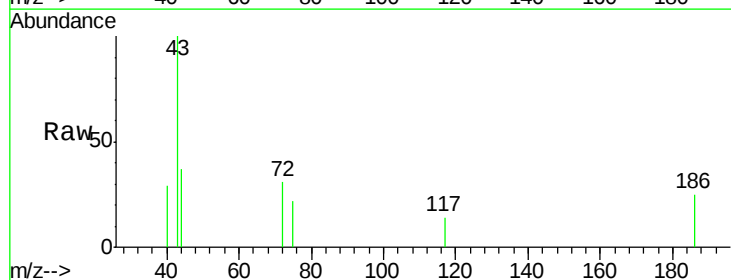


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

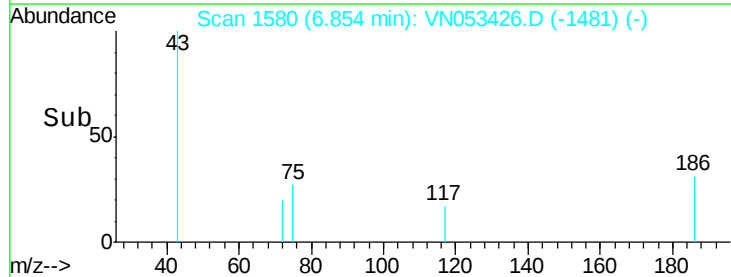
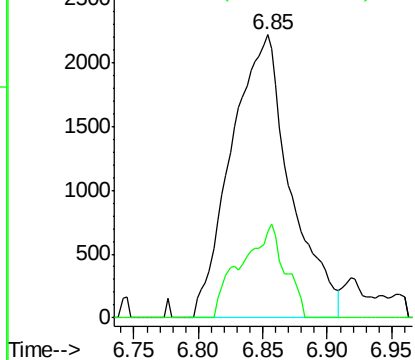


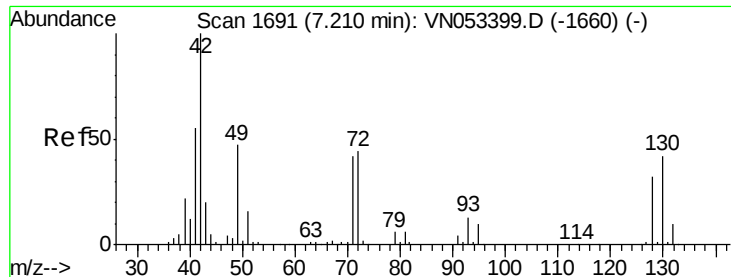
#25
2-Butanone
Concen: 2.089 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

Tgt Ion: 43 Resp: 7059
Ion Ratio Lower Upper
43 100
72 30.5 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

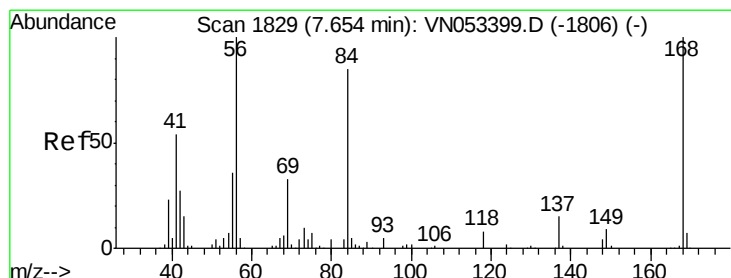
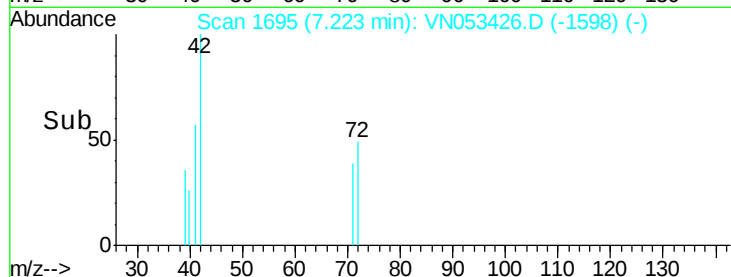
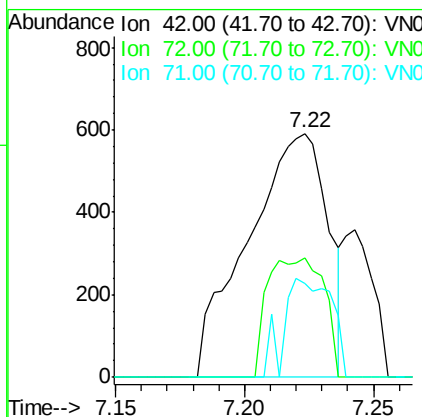
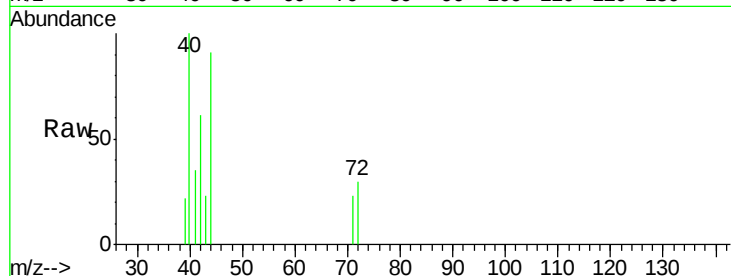




#29
Tetrahydrofuran
Concen: 0.579 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

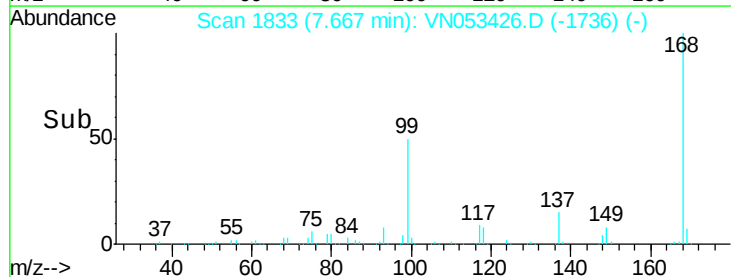
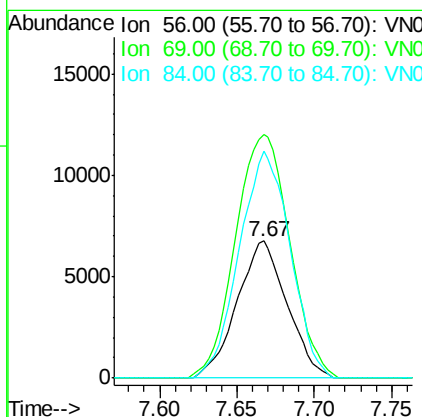
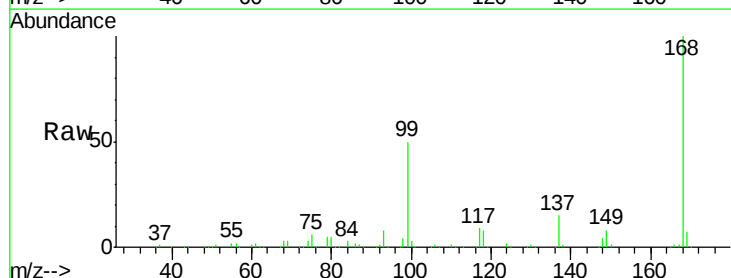
Instrument :
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PB116405ZHE#09

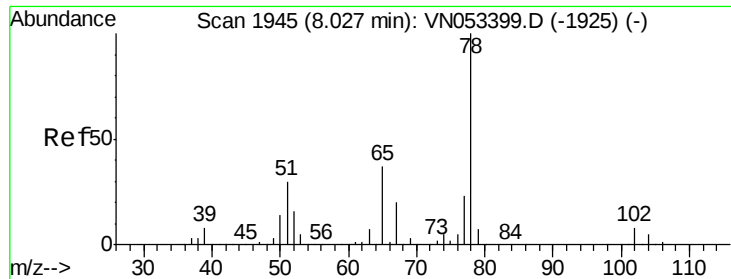
Tot Ion: 42 Resp: 1273
Ion Ratio Lower Upper
42 100
72 34.6 35.2 52.8#
71 24.2 33.0 49.4#



#31
Cyclohexane
Concen: 0.706 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

Tgt Ion: 56 Resp: 15222
Ion Ratio Lower Upper
56 100
69 177.3 26.4 39.6#
84 165.7 67.9 101.9#

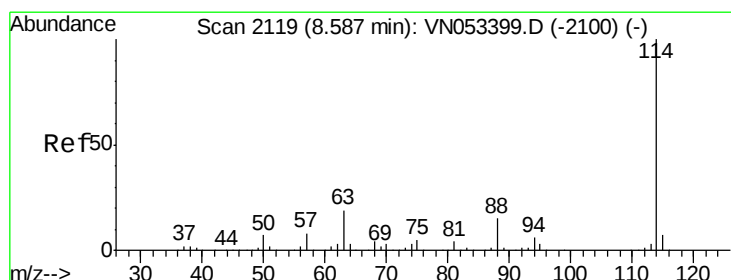
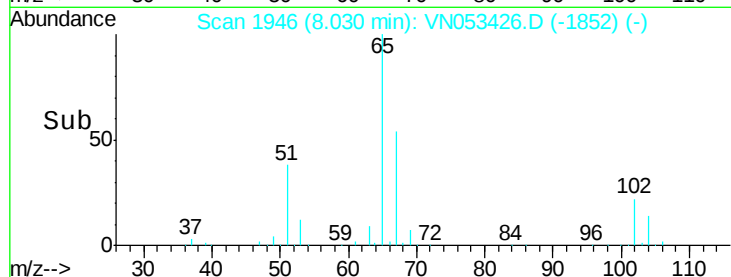
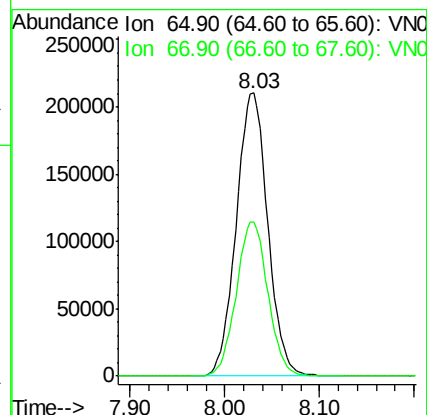
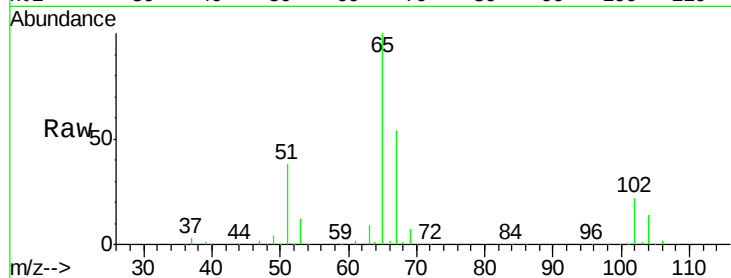




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053426.D
 Acq: 16 Jan 2019 15:41

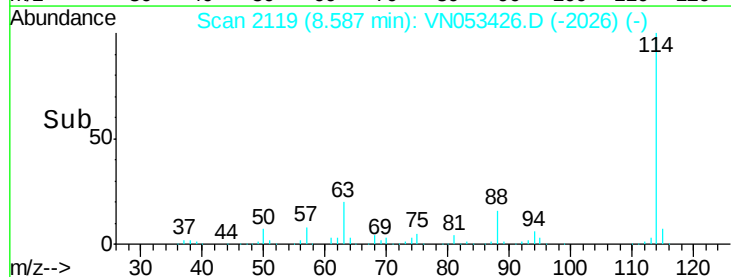
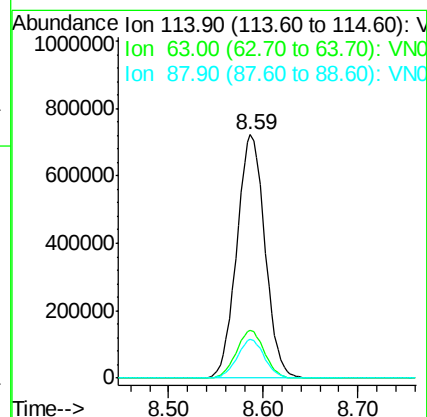
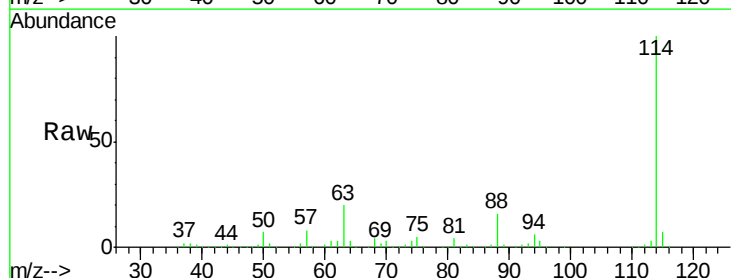
Instrument :
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 PB116405ZHE#09

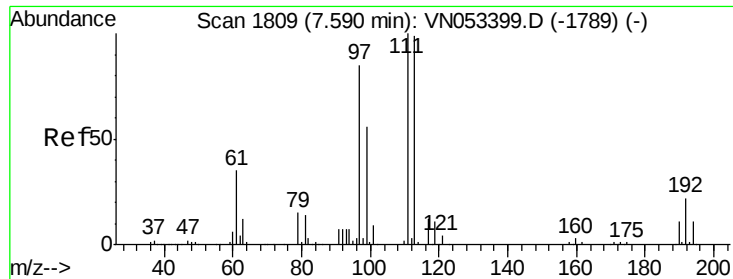
Tot Ion: 65 Resp: 487001
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053426.D
 Acq: 16 Jan 2019 15:41

Tgt Ion: 114 Resp: 1490026
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.8 0.0 30.4

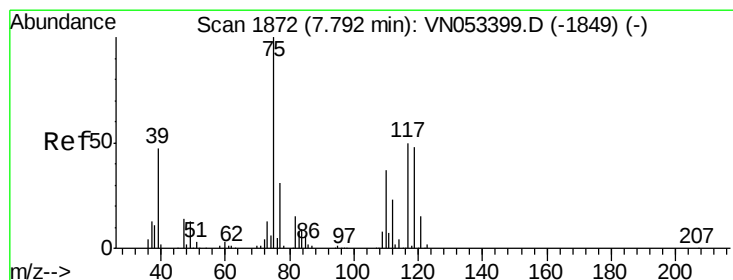
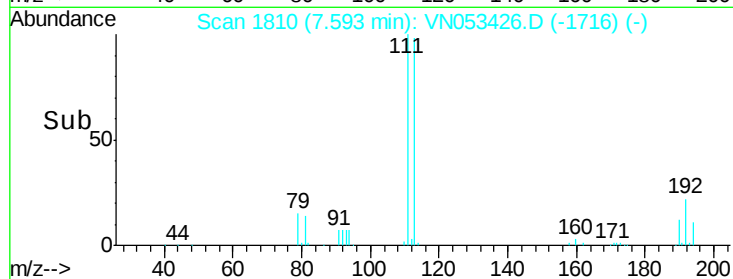
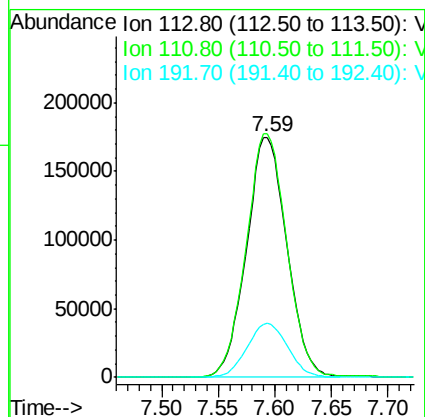
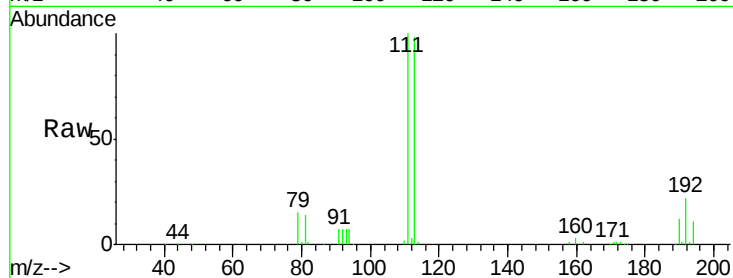




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053426.D
 Acq: 16 Jan 2019 15:41

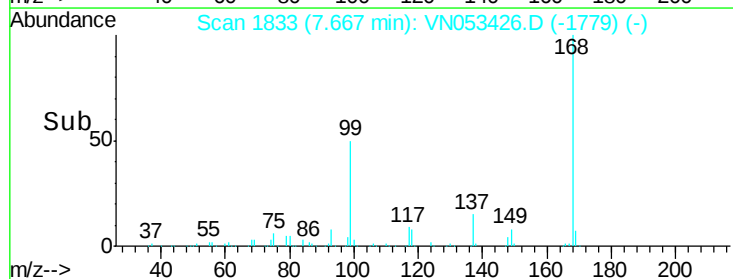
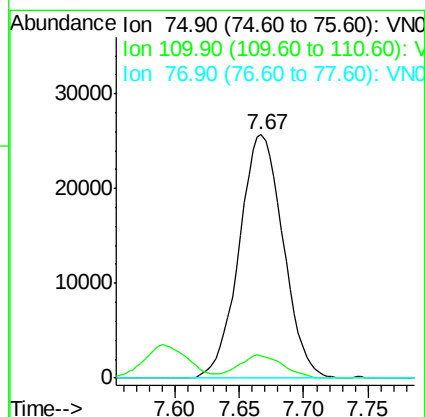
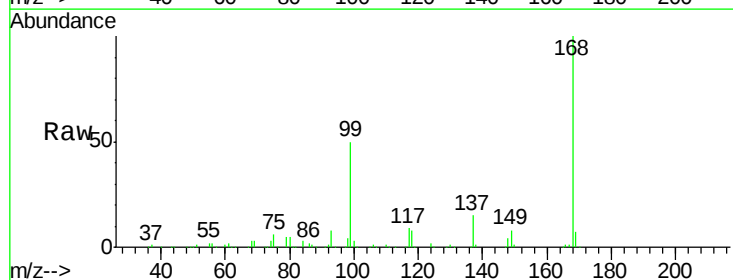
Instrument :
 MSVOA_N
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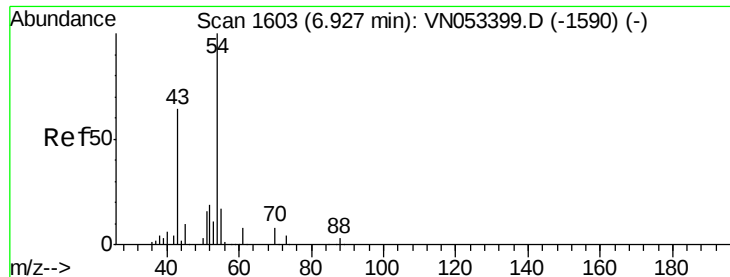
Tot Ion:113 Resp: 434830
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.1 121.7
 192 22.7 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.495 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053426.D
 Acq: 16 Jan 2019 15:41

Tgt Ion: 75 Resp: 60995
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.3#
 77 0.0 25.1 37.7#

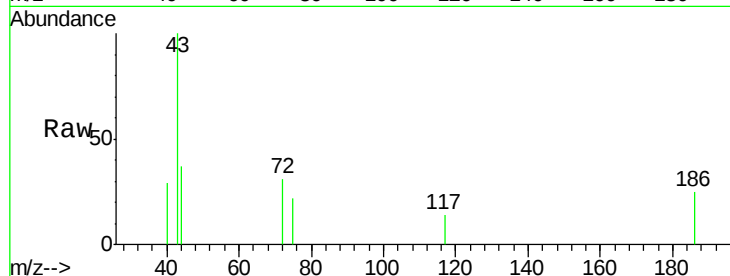




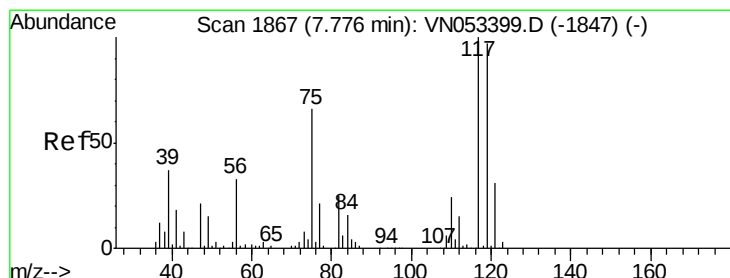
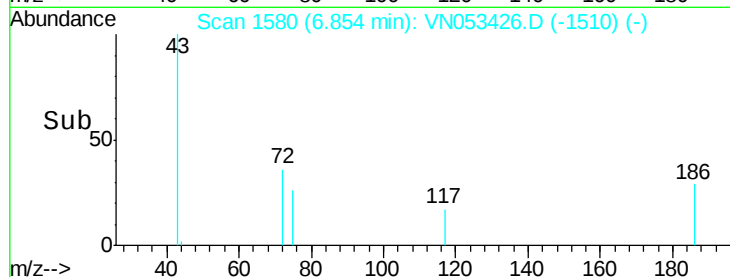
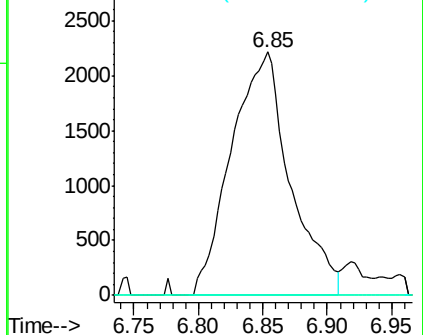
#37
Ethyl Acetate
Concen: 0.904 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. -0.07 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

Instrument :
MSVOA_N
ClientSampleId :
PB116405ZHE#09

Tot Ion: 43 Resp: 7059
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 8.6 12.8#

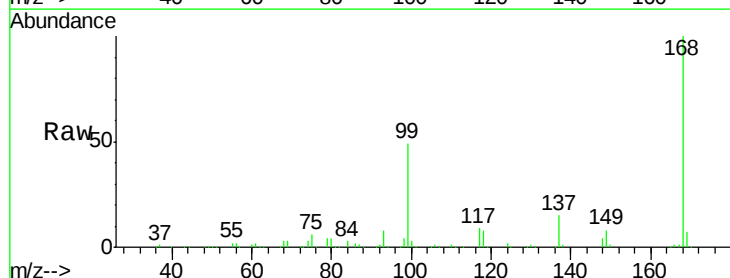


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

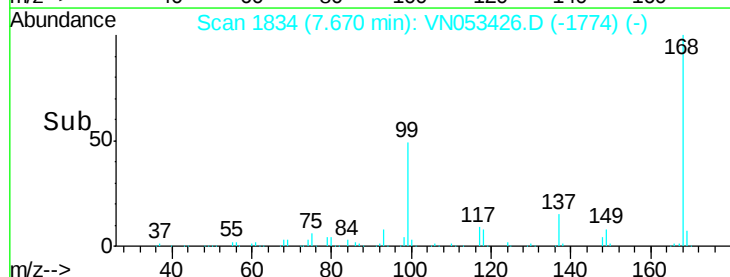
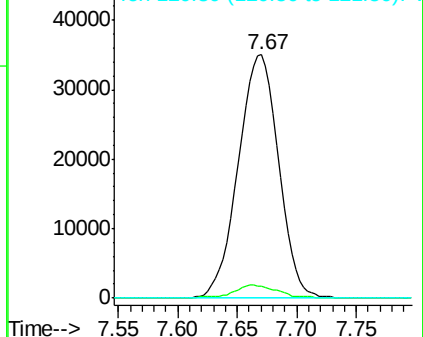


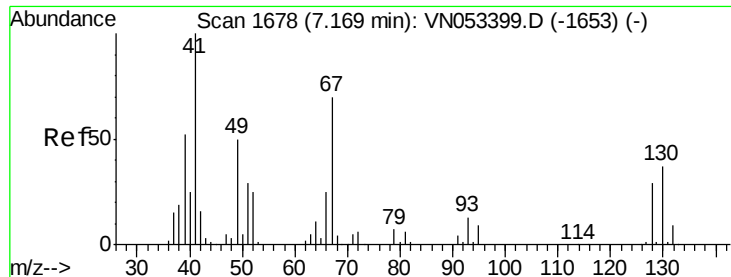
#38
Carbon Tetrachloride
Concen: 6.413 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

Tgt Ion: 117 Resp: 82393
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.6 37.0#



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

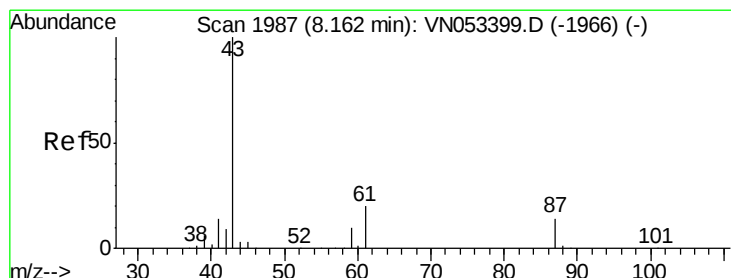
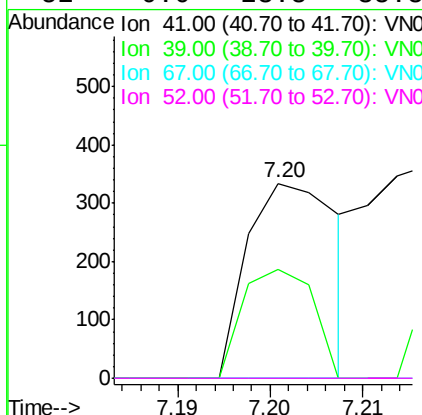
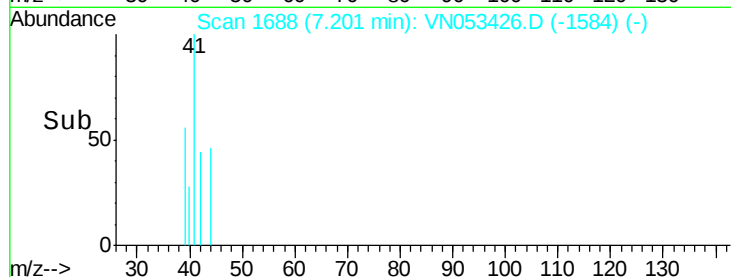
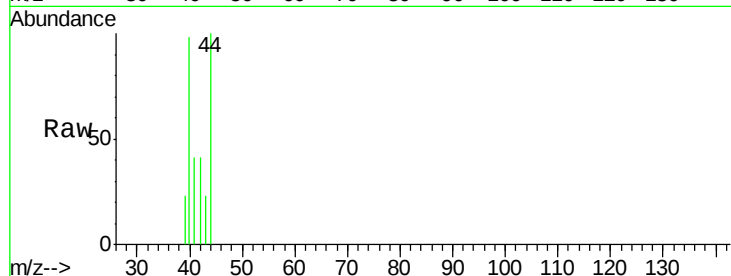




#41
Methacrylonitrile
Concen: 0.716 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.03 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

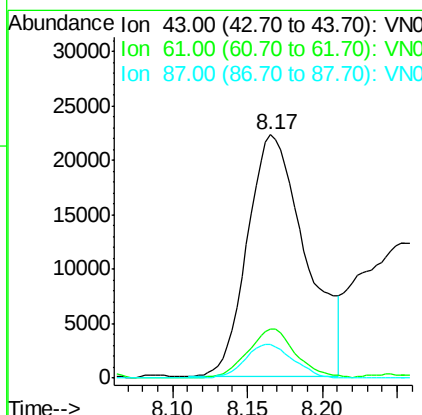
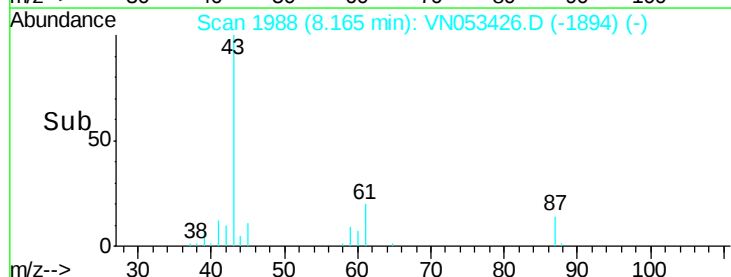
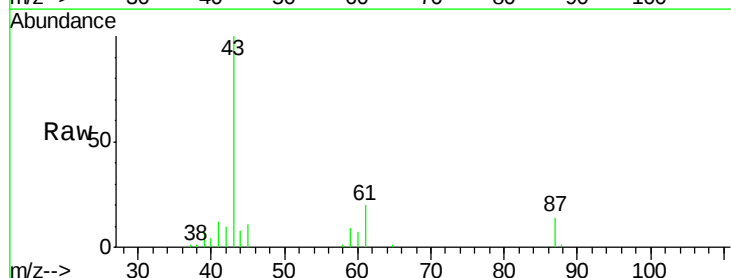
Instrument :
MSVOA_N
ClientSampleId :
PB116405ZHE#09

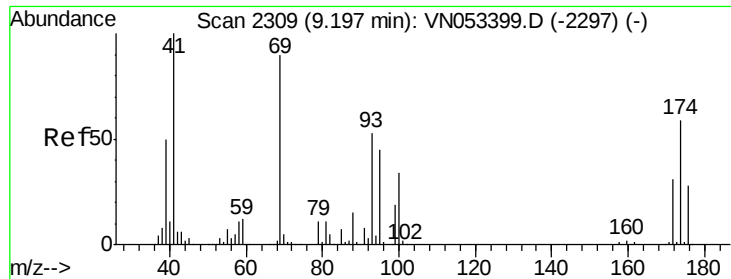
Tot Ion: 41 Resp: 228
Ion Ratio Lower Upper
41 100
39 43.0 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 4.282 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

Tgt Ion: 43 Resp: 60105
Ion Ratio Lower Upper
43 100
61 16.8 23.9 35.9#
87 11.5 11.0 16.6

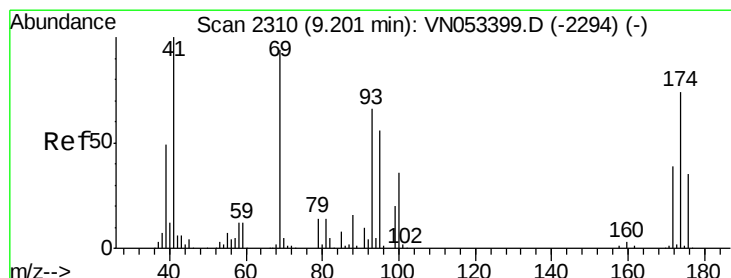
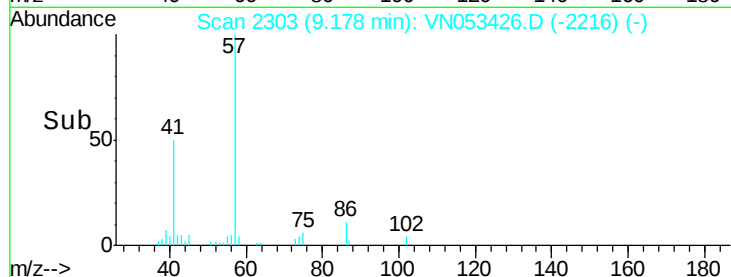
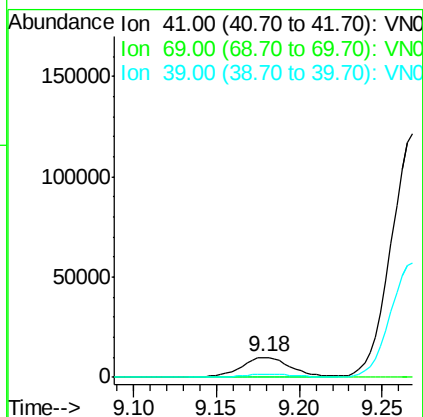
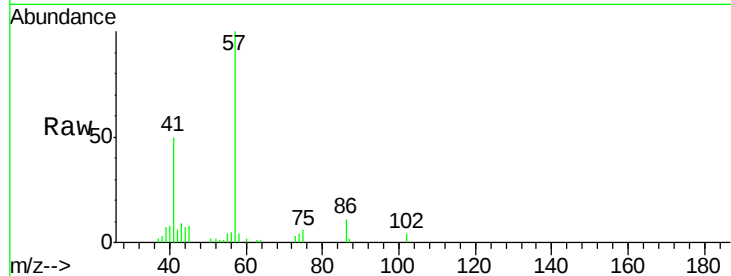




#48
Methyl methacrylate
Concen: 2.895 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

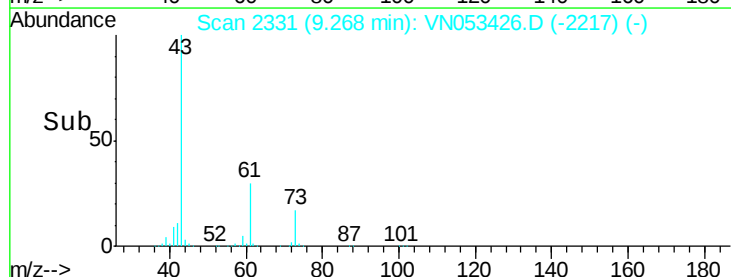
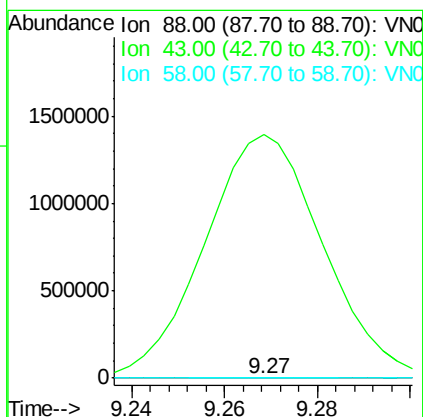
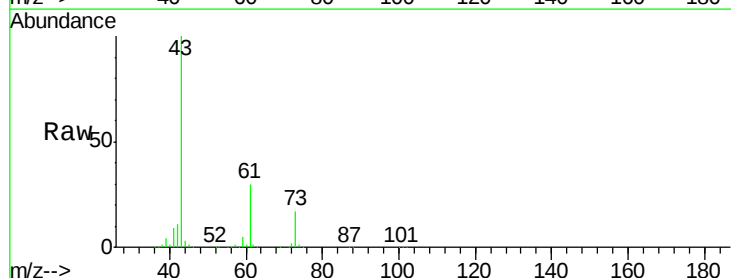
Instrument :
MSVOA_N
ClientSampleId :
PB116405ZHE#09

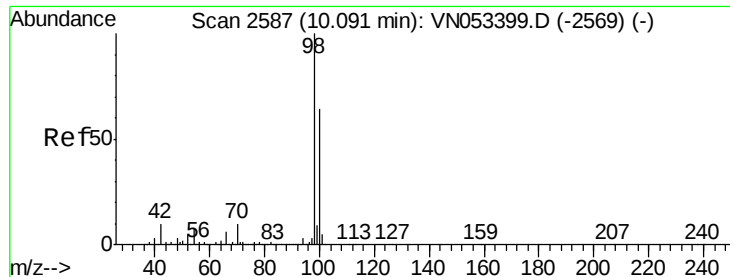
Tot Ion: 41 Resp: 20984
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 17.5 40.0 60.0#



#49
1,4-Dioxane
Concen: 4.337 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

Tgt Ion: 88 Resp: 307
Ion Ratio Lower Upper
88 100
43 815602.9 27.8 41.6#
58 3757.7 56.5 84.7#





#50

Toluene-d8

Concen: 4.337 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

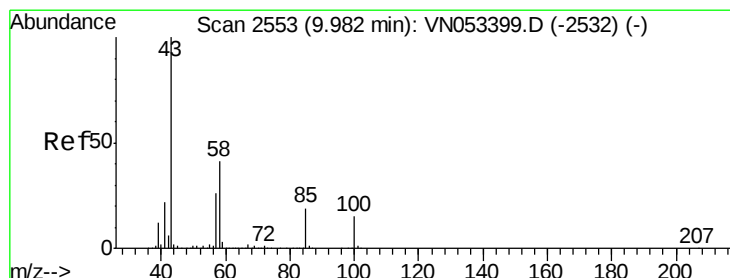
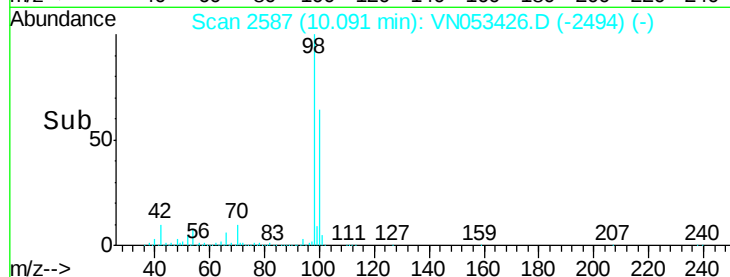
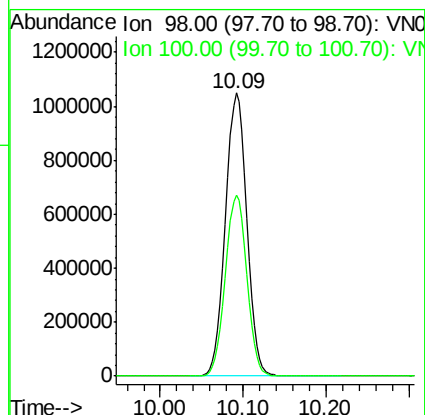
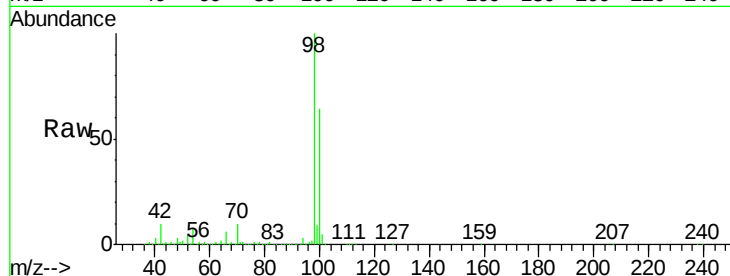
PB116405ZHE#09

Tot Ion: 98 Resp: 1874211

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 2.913 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053426.D

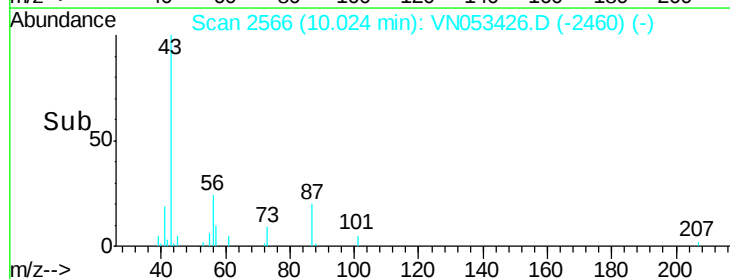
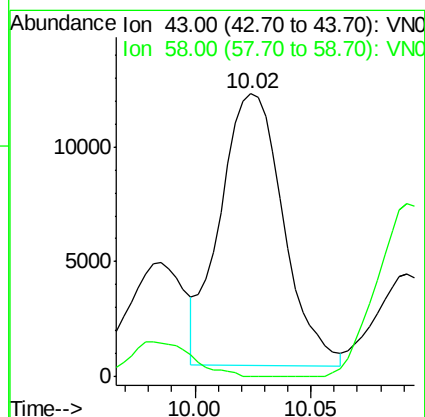
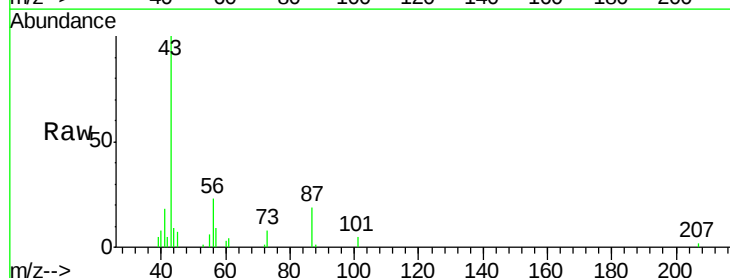
Acq: 16 Jan 2019 15:41

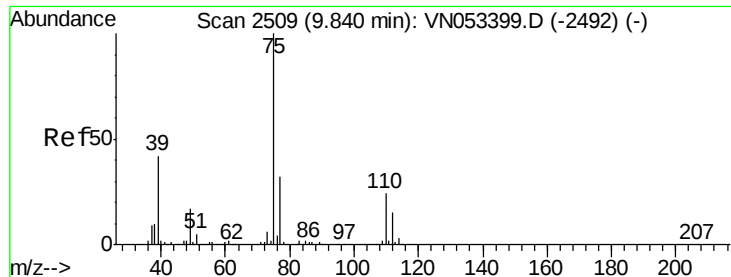
Tgt Ion: 43 Resp: 22322

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#





#54

cis-1,3-Dichloropropene

Concen: 9.154 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

PB116405ZHE#09

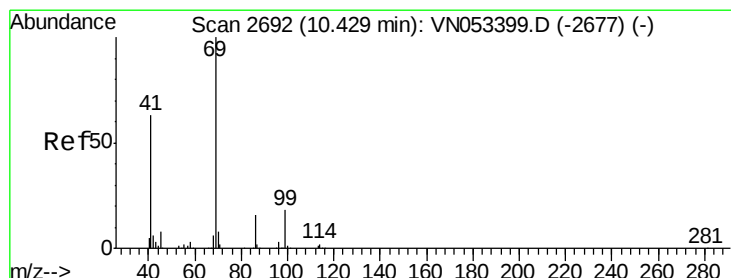
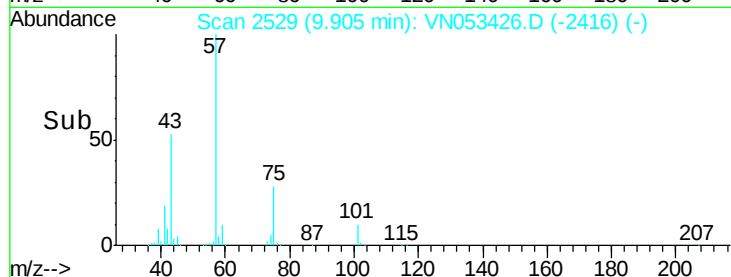
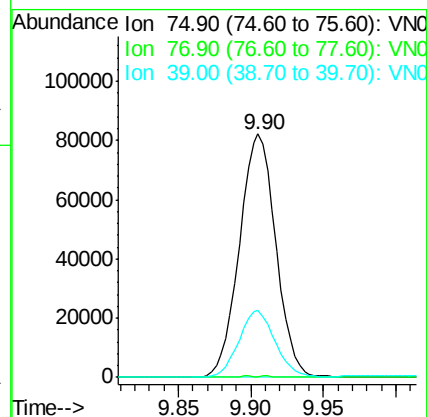
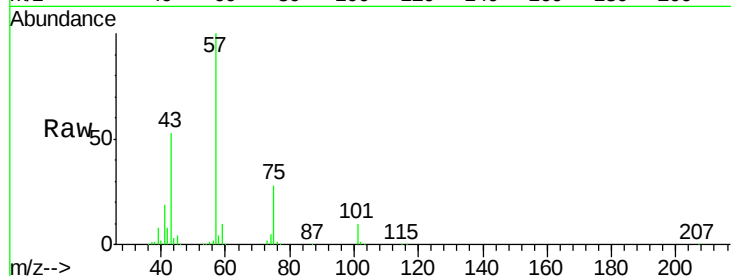
Tot Ion: 75 Resp: 143533

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

39 27.2 33.4 50.0#



#56

Ethyl methacrylate

Concen: 2.234 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.11 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

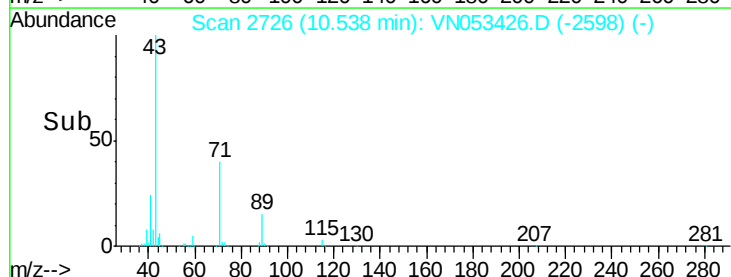
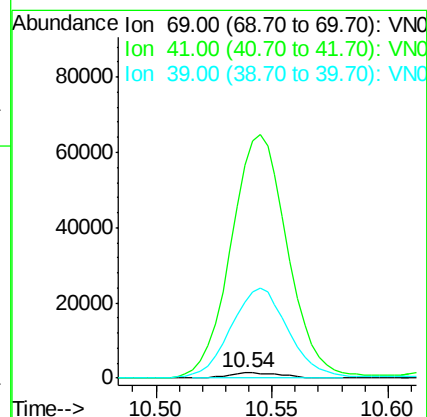
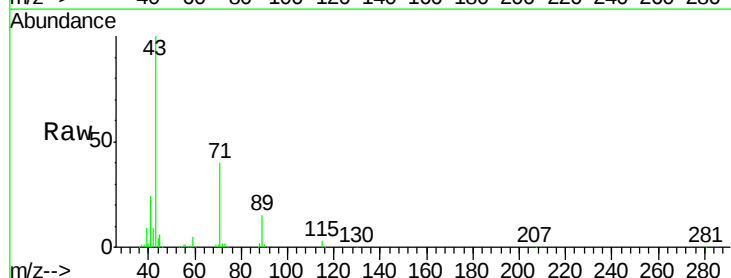
Tgt Ion: 69 Resp: 2297

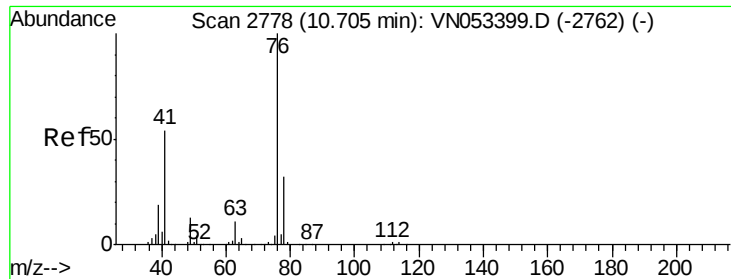
Ion Ratio Lower Upper

69 100

41 4741.6 49.4 74.0#

39 1811.3 23.3 34.9#

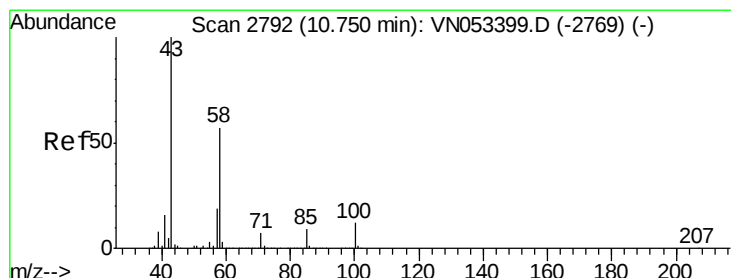
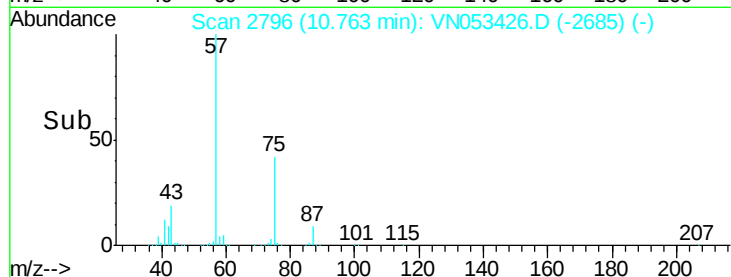
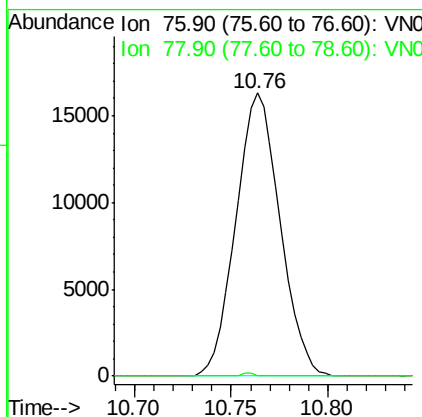
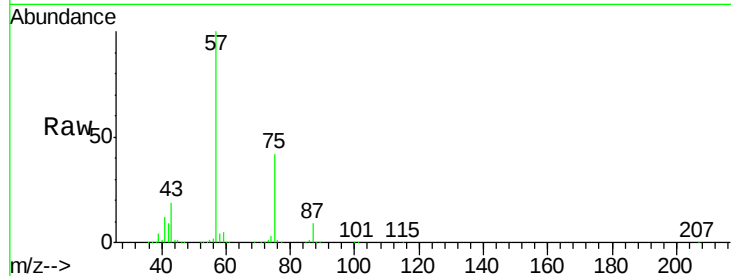




#57
 1,3-Dichloropropane
 Concen: 1.691 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN053426.D
 Acq: 16 Jan 2019 15:41

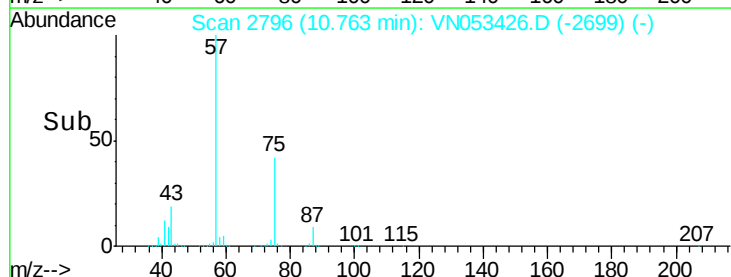
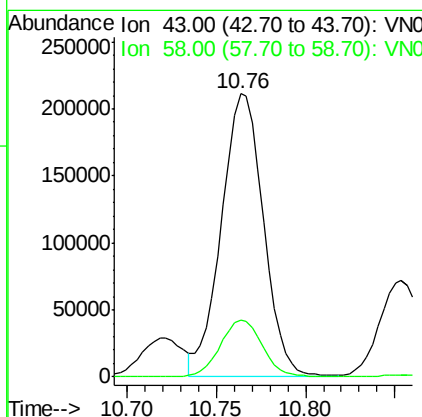
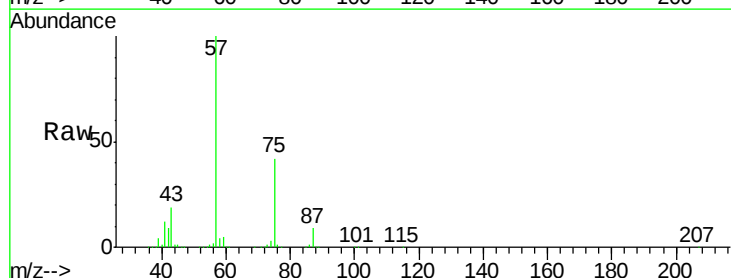
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116405ZHE#09

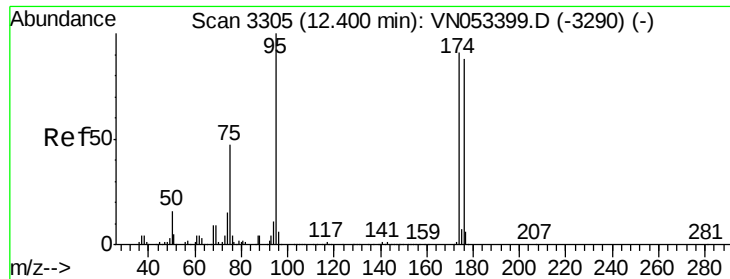
Tot Ion: 76 Resp: 25814
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.6 38.4#



#59
 2-Hexanone
 Concen: 64.156 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053426.D
 Acq: 16 Jan 2019 15:41

Tgt Ion: 43 Resp: 345135
 Ion Ratio Lower Upper
 43 100
 58 20.3 28.6 85.8#

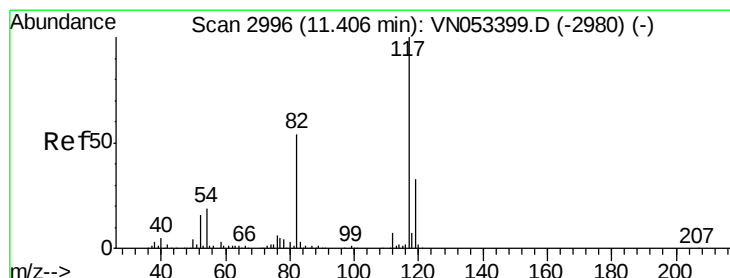
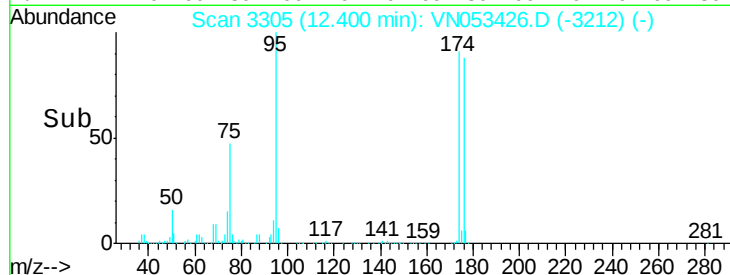
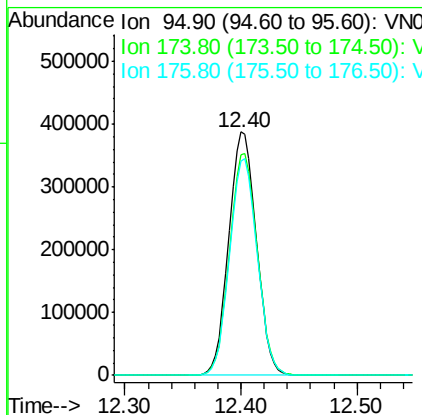
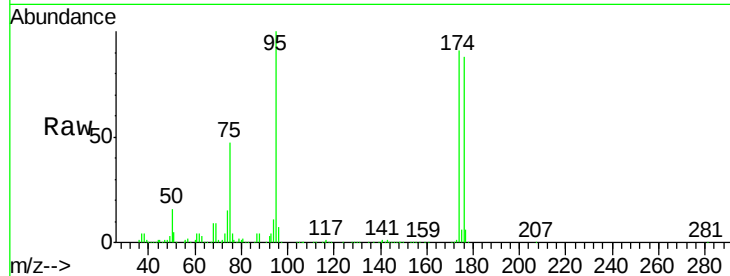




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

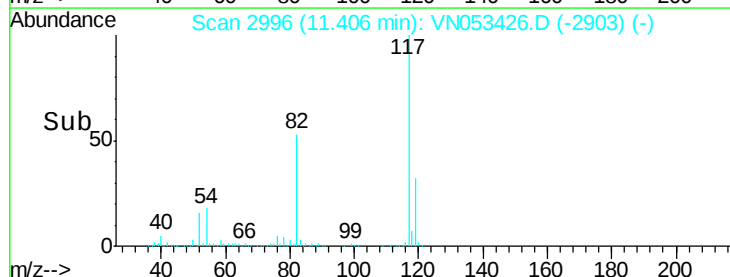
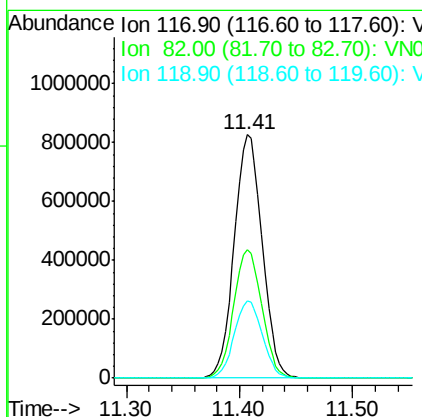
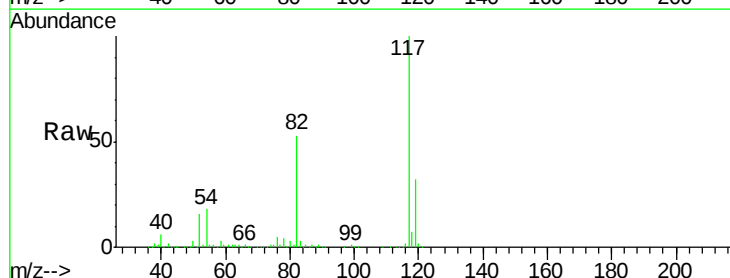
Instrument :
MSVOA_N
ClientSampleId :
PB116405ZHE#09

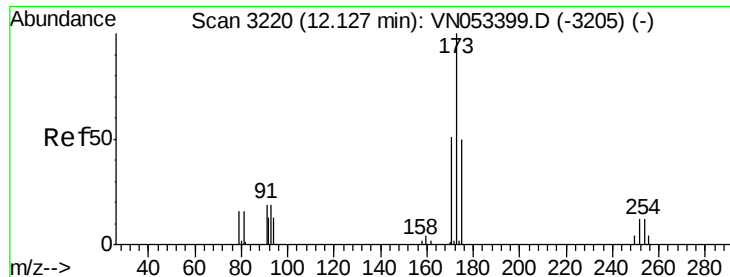
Tot Ion: 95 Resp: 634247
Ion Ratio Lower Upper
95 100
174 92.0 0.0 183.2
176 89.0 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

Tgt Ion: 117 Resp: 1424480
Ion Ratio Lower Upper
117 100
82 53.0 42.9 64.3
119 31.8 26.0 39.0

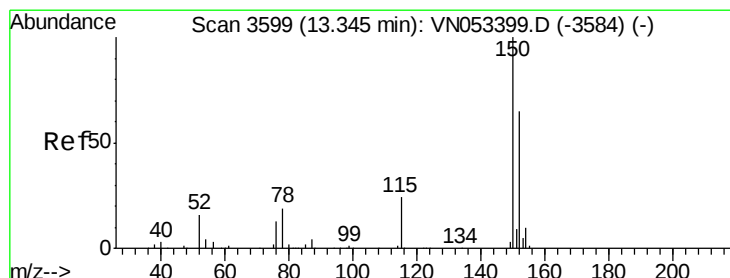
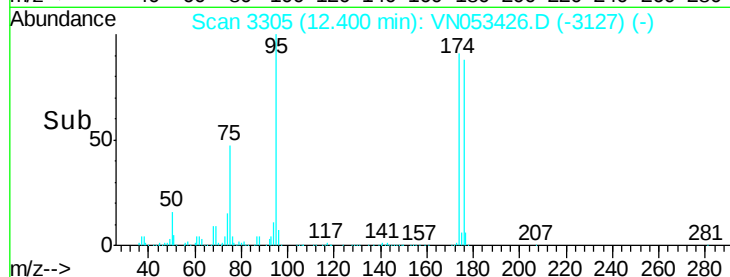
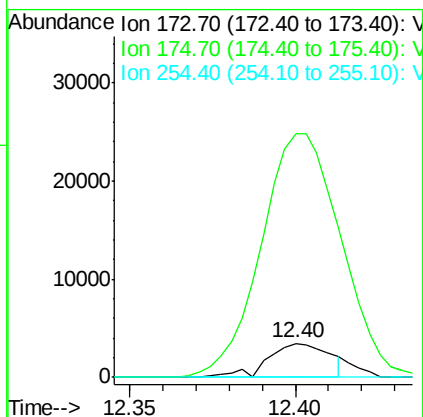
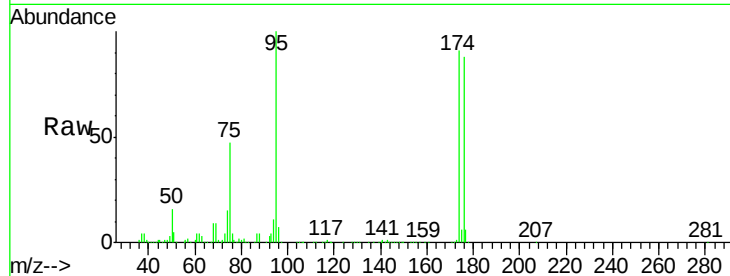




#71
Bromoform
Concen: 0.621 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

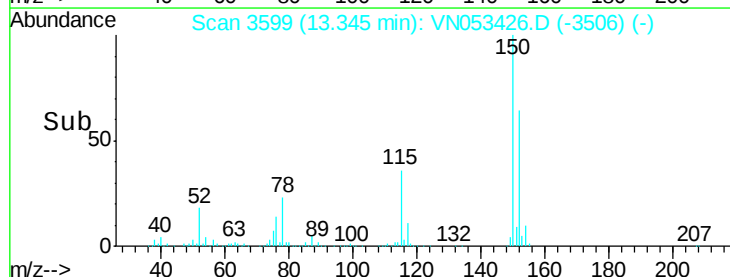
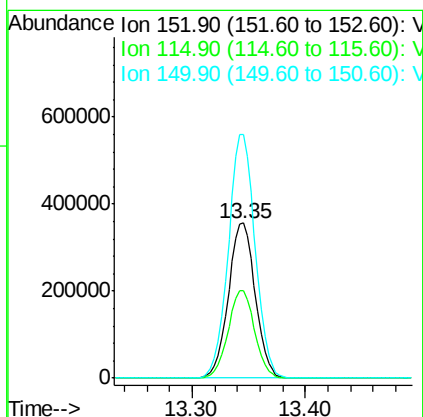
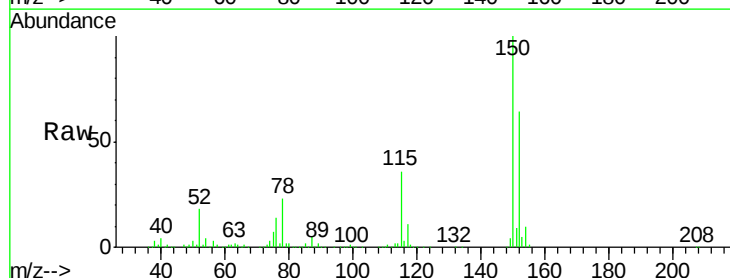
Instrument :
MSVOA_N
ClientSampleId :
PB116405ZHE#09

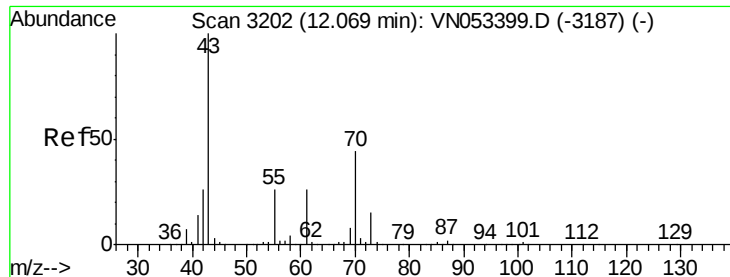
Tot Ion:173 Resp: 4482
Ion Ratio Lower Upper
173 100
175 811.2 24.6 74.0#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053426.D
Acq: 16 Jan 2019 15:41

Tgt Ion:152 Resp: 586283
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 156.5 0.0 349.0





#74

N-amvl acetate

Concen: 3.733 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

PB116405ZHE#09

Tot Ion: 43 Resp: 42728

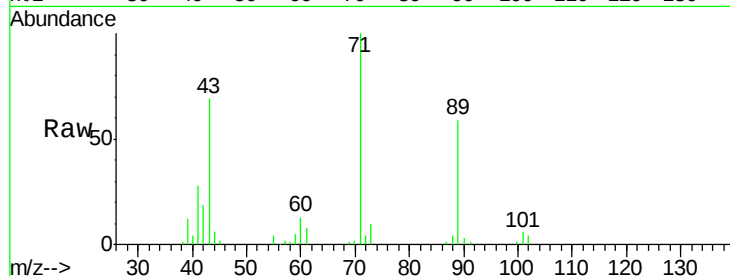
Ion Ratio Lower Upper

43 100

70 2.4 35.4 53.2#

55 6.0 20.9 31.3#

61 11.4 20.5 30.7#

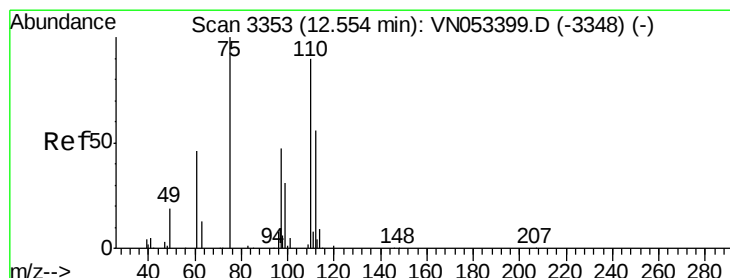
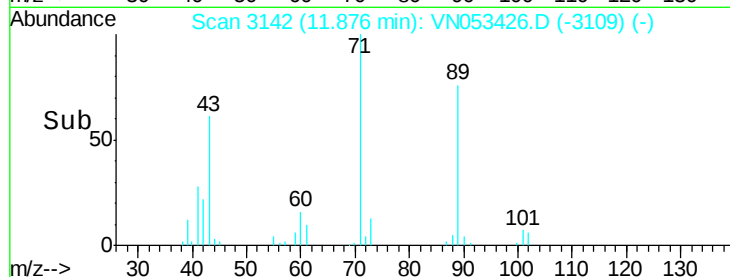
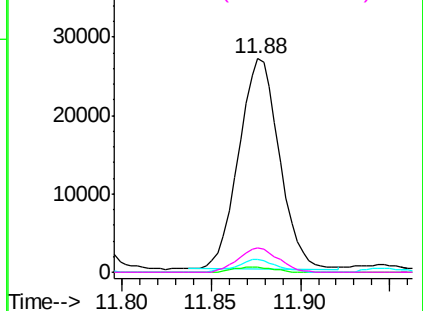


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 38.067 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053426.D

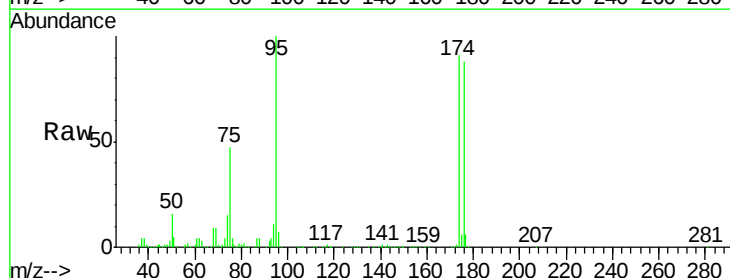
Acq: 16 Jan 2019 15:41

Tgt Ion: 75 Resp: 294111

Ion Ratio Lower Upper

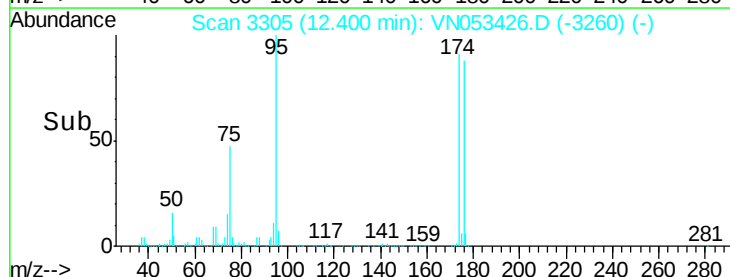
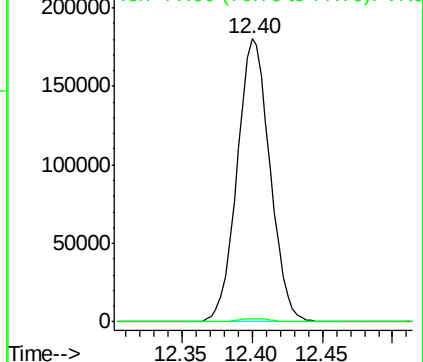
75 100

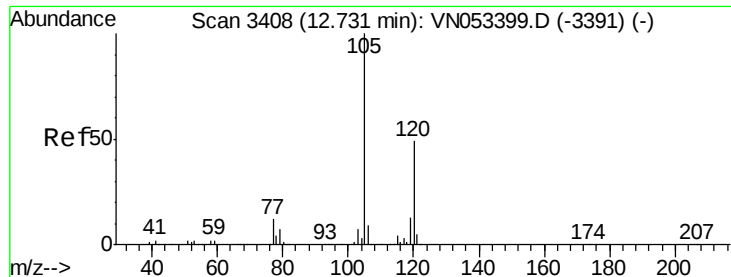
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.226 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

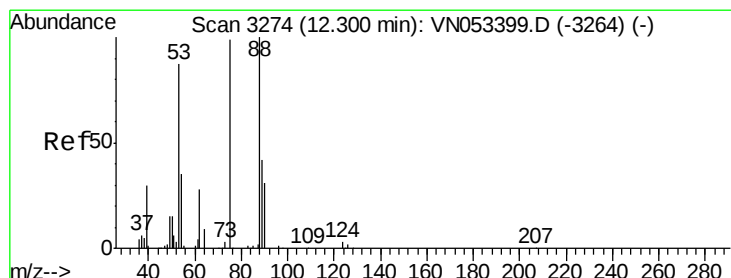
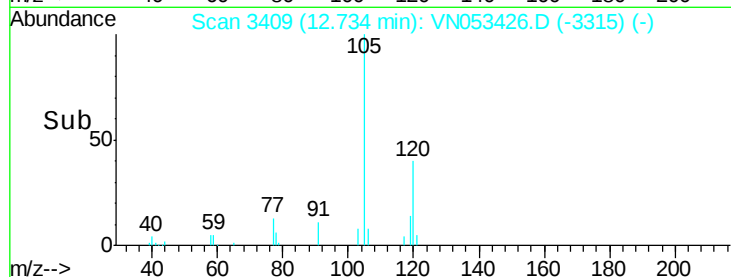
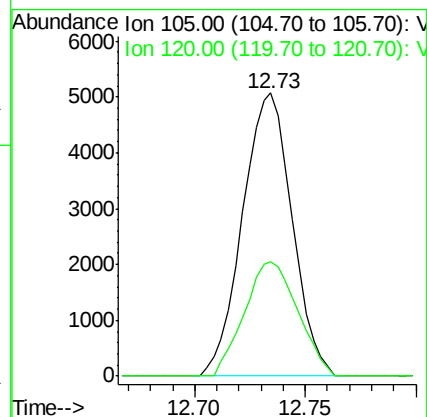
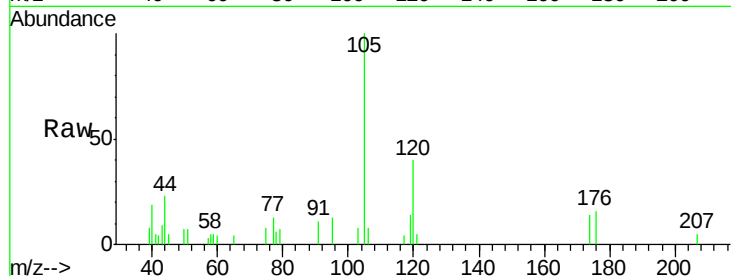
PB116405ZHE#09

Tot Ion:105 Resp: 7895

Ion Ratio Lower Upper

105 100

120 43.4 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 93.991 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

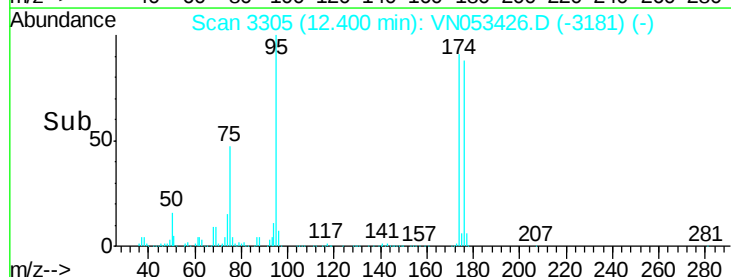
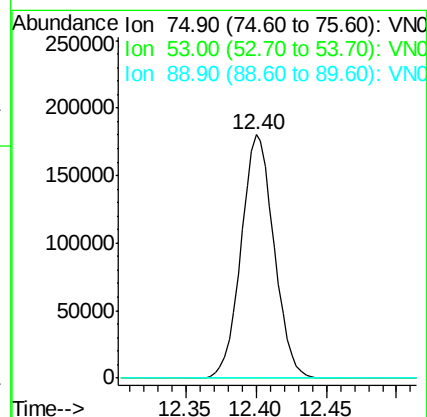
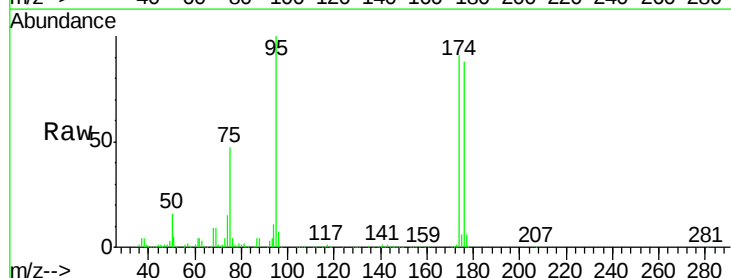
Tgt Ion: 75 Resp: 294111

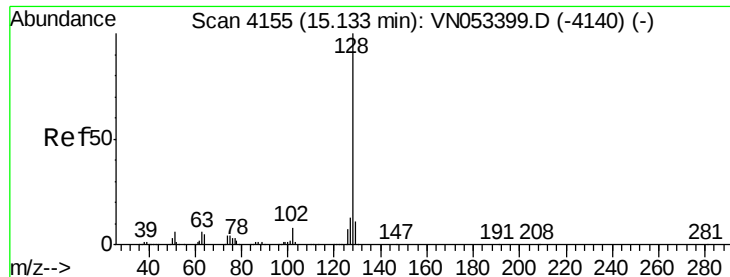
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#





#95

Naphthalene

Concen: 3.959 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053426.D

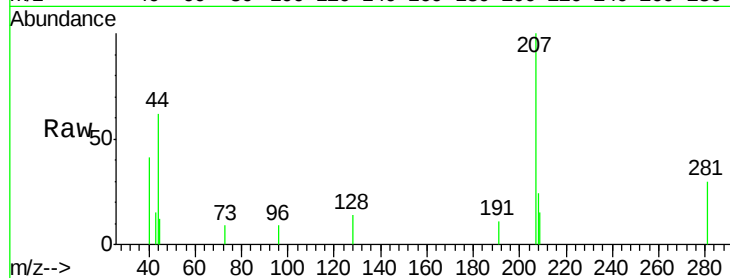
Acq: 16 Jan 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

PB116405ZHE#09



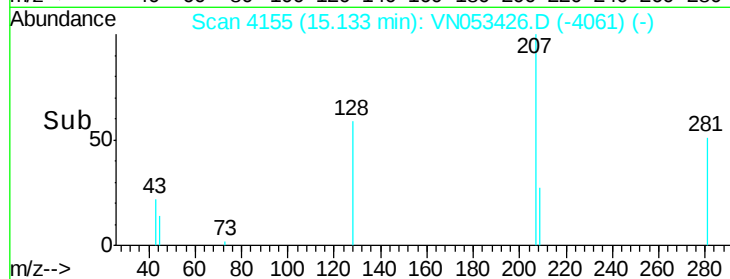
Tot Ion:128 Resp: 318

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

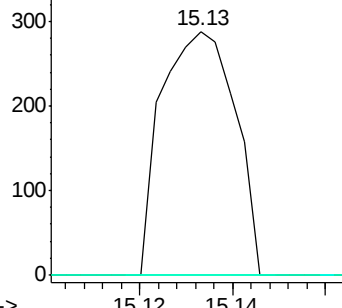
129 0.0 8.6 13.0#



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



Time-->