

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053959.D
 Acq On : 26 Feb 2019 17:04
 Operator : JC/SP
 Sample : PB117375ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117375ZHE#02

Quant Time: Feb 27 02:28:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	606646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1094935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1066302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	385923	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	381357	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	7.59	113	354823	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	10.09	98	1388501	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.40	95	456637	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	

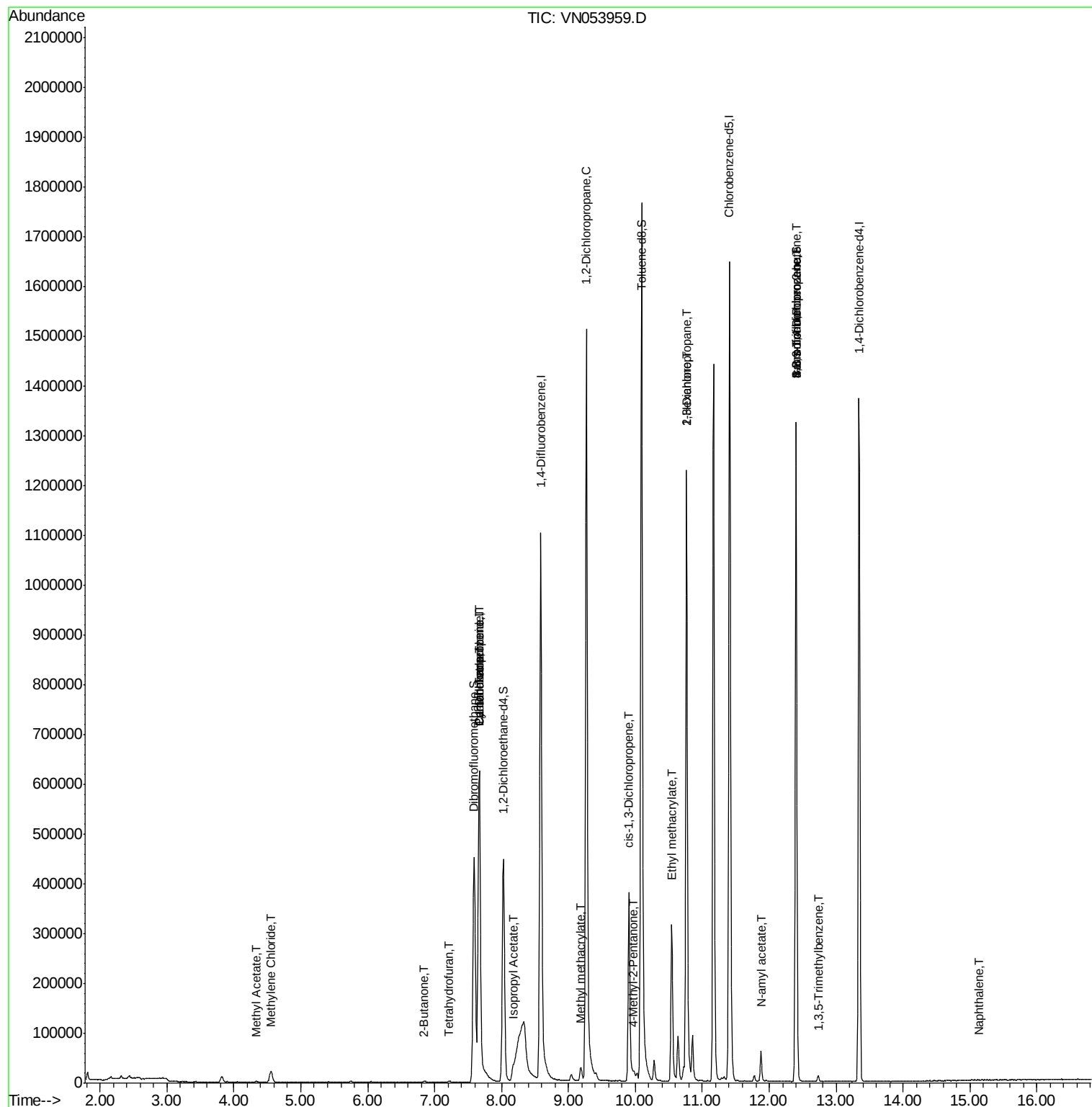
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	19606	Below Cal		95
18) Methyl Acetate	4.32	43	3022	0.608	ug/l #	68
20) Methylene Chloride	4.55	84	17103	2.430	ug/l	92
25) 2-Butanone	6.83	43	1877	0.672	ug/l	93
29) Tetrahydrofuran	7.22	42	2486	1.337	ug/l #	61
31) Cyclohexane	7.66	56	11105	0.571	ug/l #	5
36) 1,1-Dichloropropene	7.67	75	40867	4.013	ug/l #	46
38) Carbon Tetrachloride	7.66	117	51700	4.882	ug/l #	16
43) Isopropyl Acetate	8.17	43	34084	2.776	ug/l #	92
45) 1,2-Dichloropropane	9.27	63	1848	0.219	ug/l #	44
48) Methyl methacrylate	9.18	41	11392	2.017	ug/l #	12
51) 4-Methyl-2-Pentanone	9.98	43	7551	1.197	ug/l #	85
54) cis-1,3-Dichloropropene	9.90	75	74359	6.278	ug/l #	71
56) Ethyl methacrylate	10.55	69	1468	2.111	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	13525	1.164	ug/l #	43
59) 2-Hexanone	10.77	43	195609	47.677	ug/l #	48
71) Bromoform	12.40	173	3699	0.656	ug/l #	1
74) N-amyl acetate	11.88	43	19524	2.480	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	220921	35.685	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5812	0.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	220921	112.786	ug/l #	15
95) Naphthalene	15.14	128	444	3.239	ug/l #	70

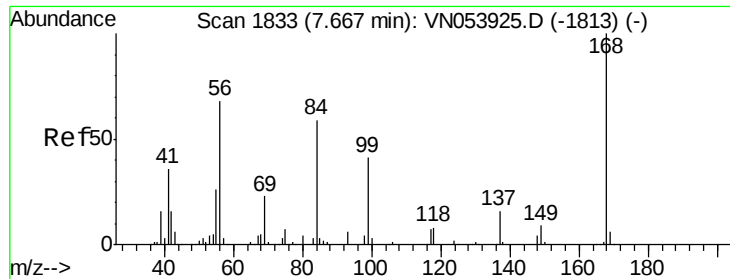
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022619\
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Quant Time: Feb 27 02:28:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 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: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

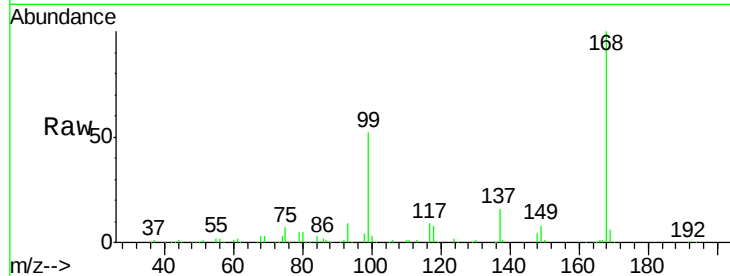
PB117375ZHE#02

Tot Ion:168 Resp: 606646

Ion Ratio Lower Upper

168 100

99 51.8 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053925.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1813) (-)

7.67

250000

200000

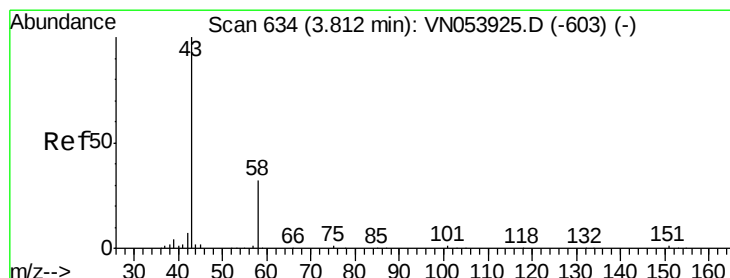
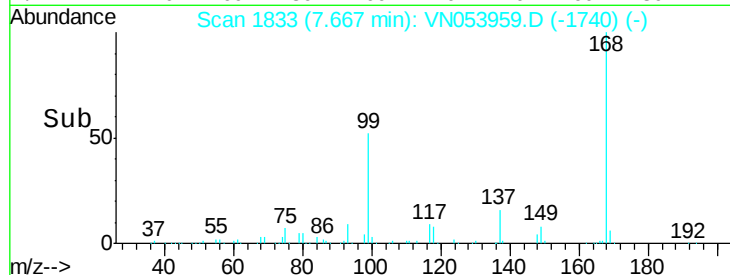
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053959.D

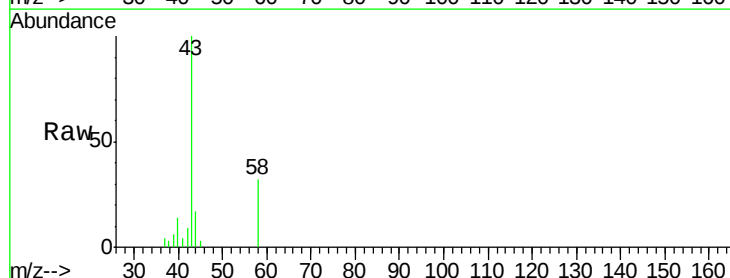
Acq: 26 Feb 2019 17:04

Tgt Ion: 43 Resp: 19606

Ion Ratio Lower Upper

43 100

58 31.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)

3.82

8000

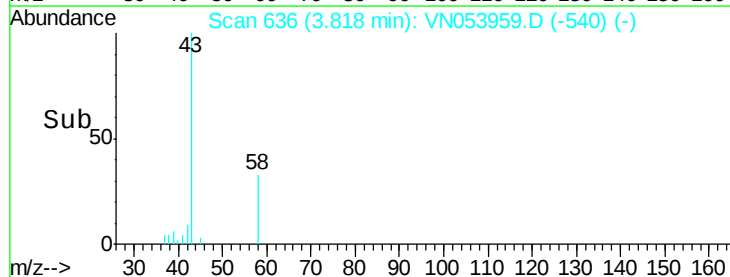
6000

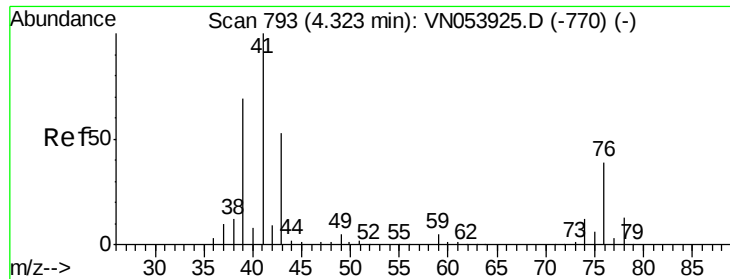
4000

2000

0

Time--> 3.70 3.80 3.90





#18

Methyl Acetate

Concen: 0.608 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

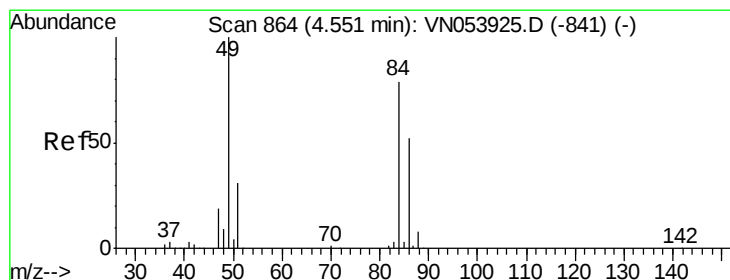
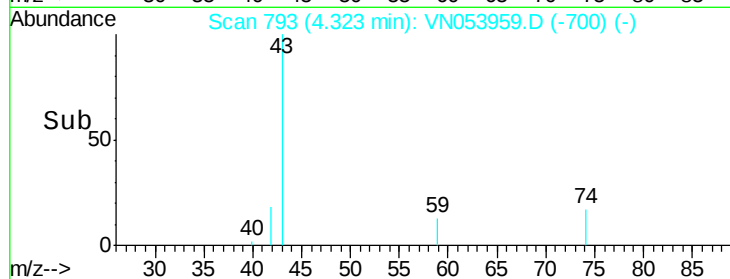
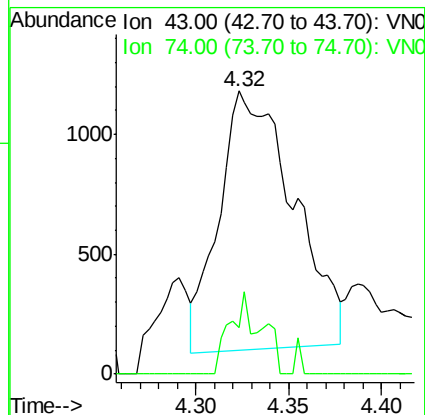
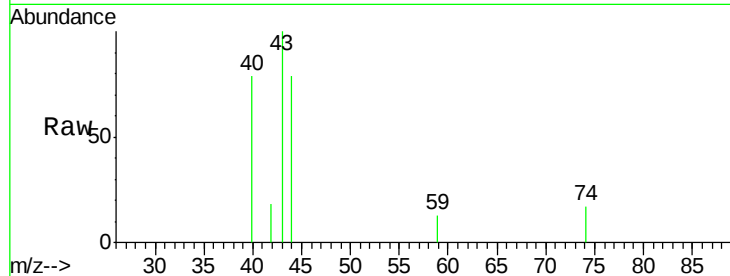
PB117375ZHE#02

Tot Ion: 43 Resp: 3022

Ion Ratio Lower Upper

43 100

74 9.3 20.5 30.7#



#20

Methylene Chloride

Concen: 2.430 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Tgt Ion: 84 Resp: 17103

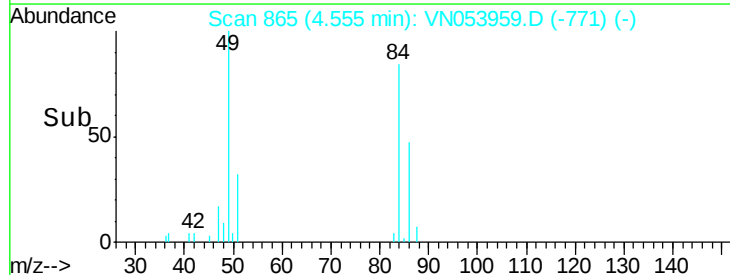
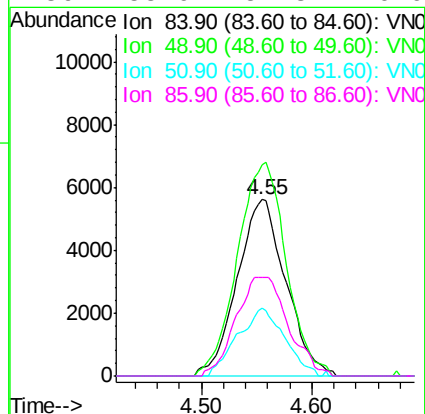
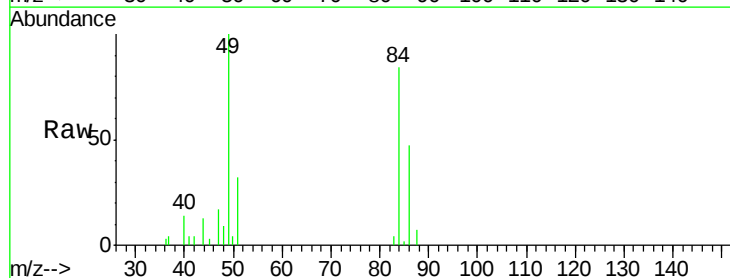
Ion Ratio Lower Upper

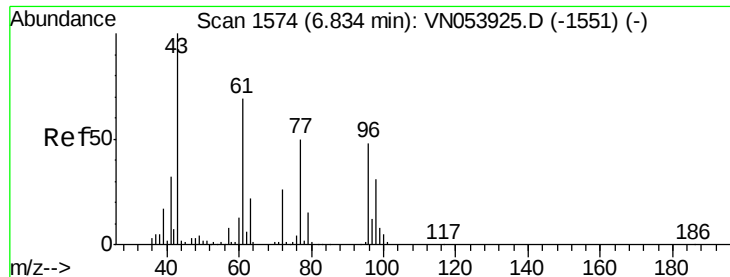
84 100

49 119.7 89.7 134.5

51 38.2 27.8 41.8

86 55.9 51.3 76.9





#25

2-Butanone

Concen: 0.672 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

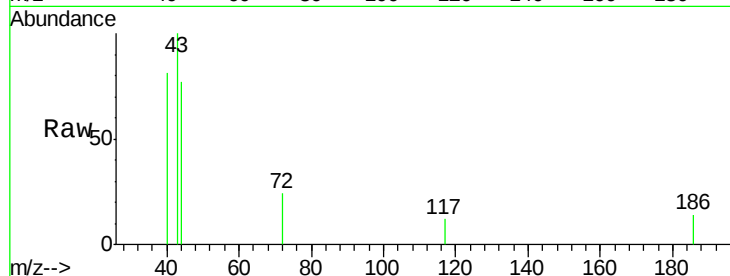
PB117375ZHE#02

Tot Ion: 43 Resp: 1877

Ion Ratio Lower Upper

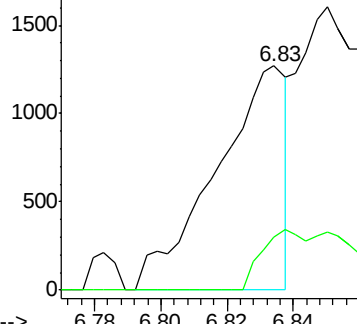
43 100

72 23.8 22.1 33.1

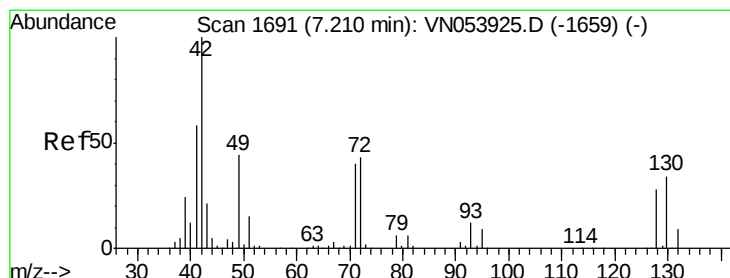
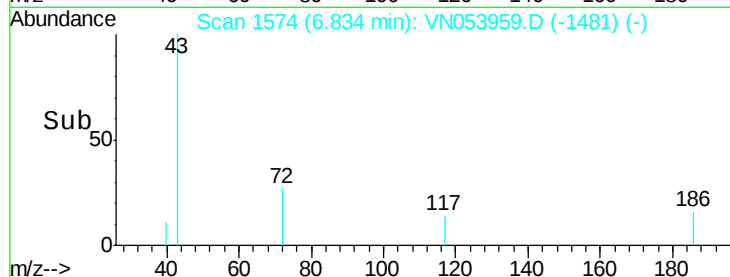


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#29

Tetrahydrofuran

Concen: 1.337 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

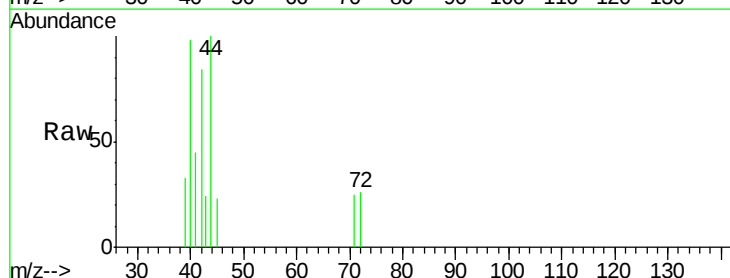
Tgt Ion: 42 Resp: 2486

Ion Ratio Lower Upper

42 100

72 20.8 36.9 55.3#

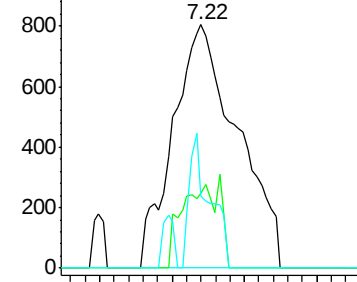
71 17.6 34.6 52.0#



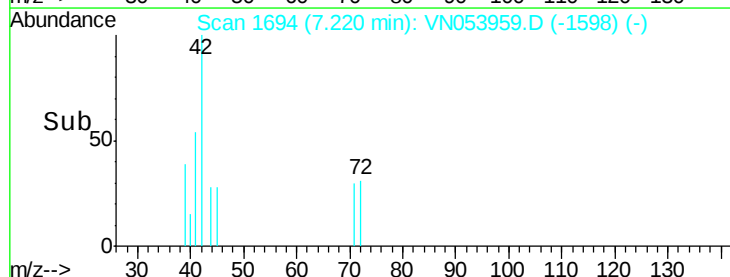
Abundance Ion 42.00 (41.70 to 42.70): VN0

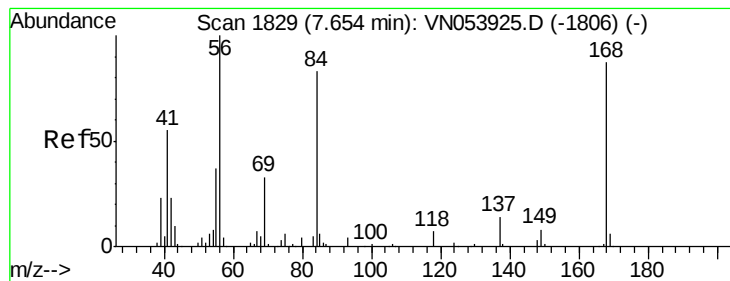
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->





#31

Cyclohexane

Concen: 0.571 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#02

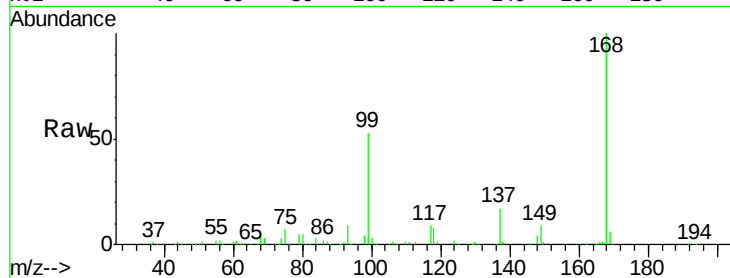
Tot Ion: 56 Resp: 11105

Ion Ratio Lower Upper

56 100

69 163.5 26.0 39.0#

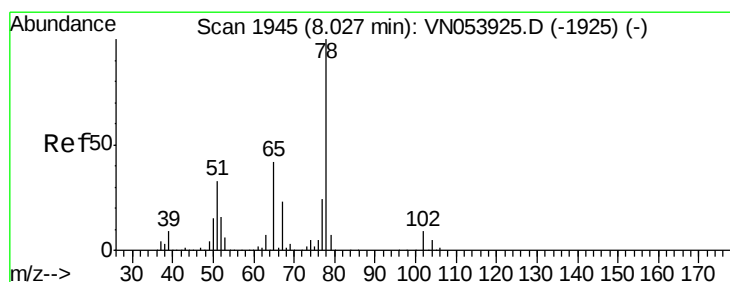
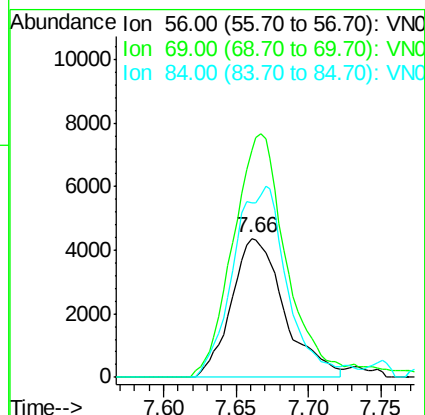
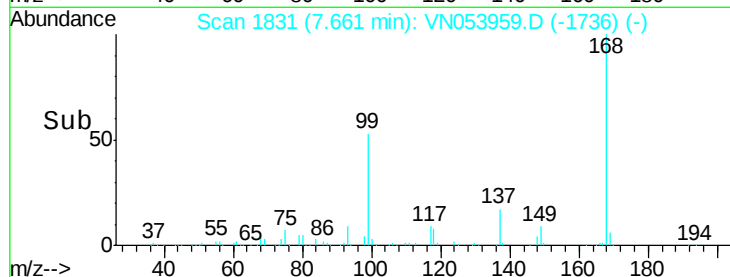
84 125.9 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.627 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053959.D

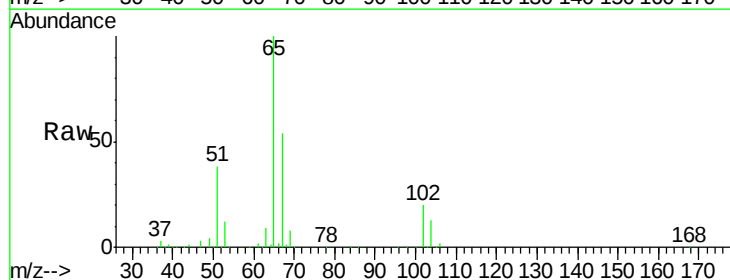
Acq: 26 Feb 2019 17:04

Tgt Ion: 65 Resp: 381357

Ion Ratio Lower Upper

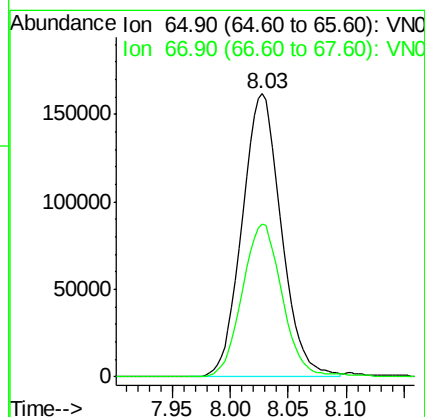
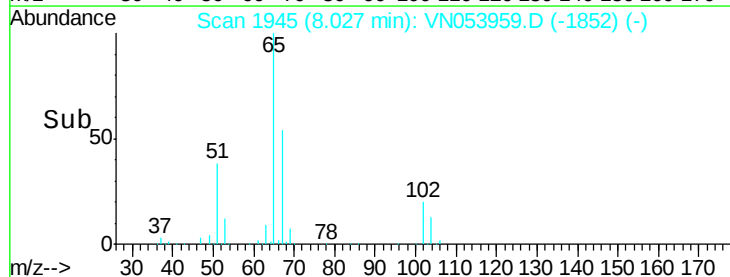
65 100

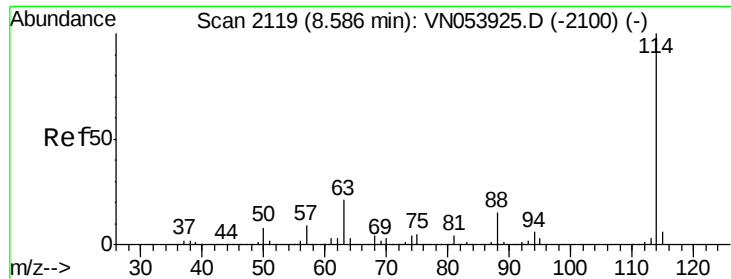
67 55.5 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

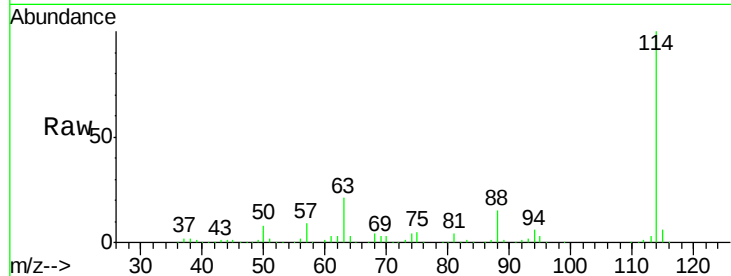




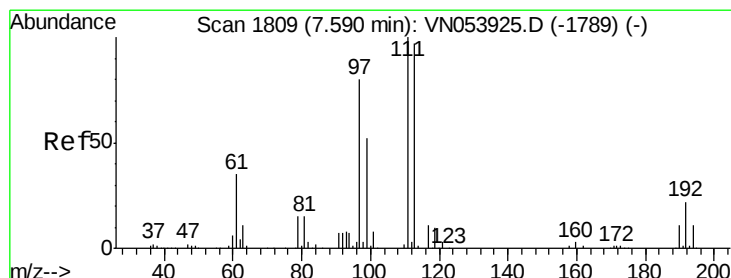
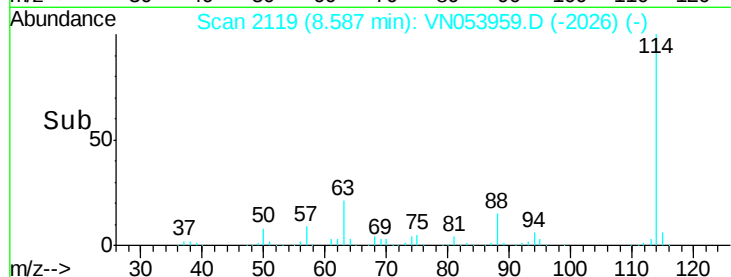
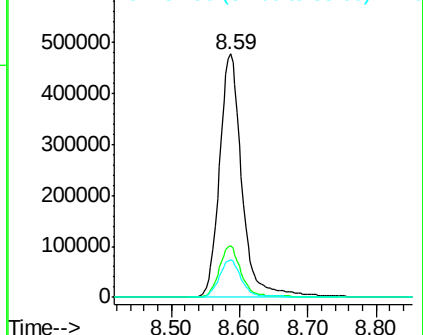
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053959.D
 Acq: 26 Feb 2019 17:04

Instrument :
 MSVOA_N
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 PB117375ZHE#02

Tot Ion:114 Resp: 1094935
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.4
 88 15.2 0.0 30.4

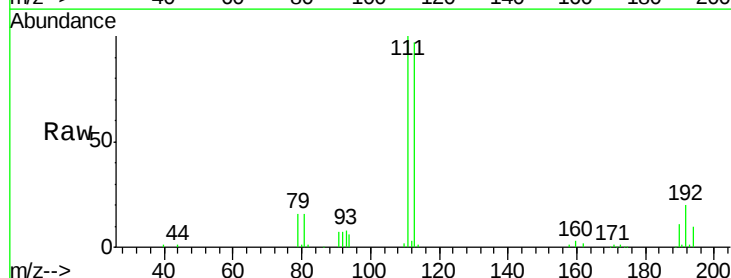


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

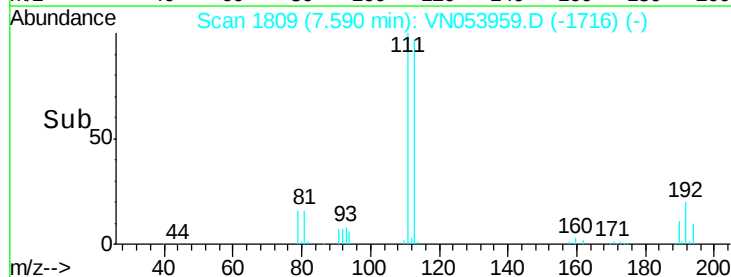
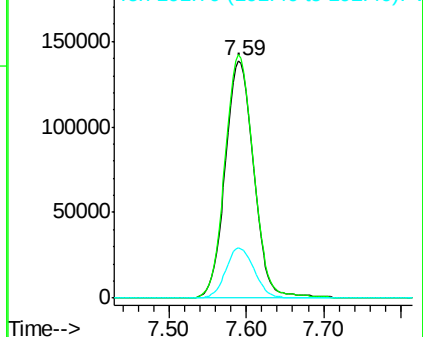


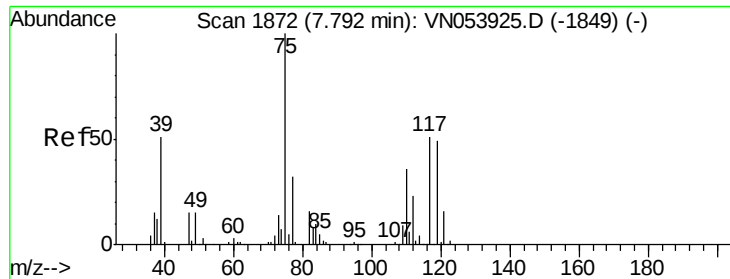
#35
 Dibromofluoromethane
 Concen: 50.113 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053959.D
 Acq: 26 Feb 2019 17:04

Tgt Ion:113 Resp: 354823
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.1 121.7
 192 21.0 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.013 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#02

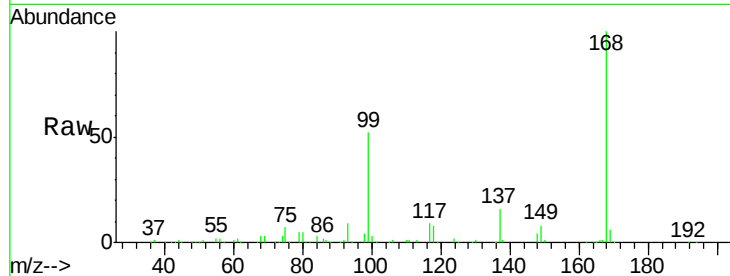
Tot Ion: 75 Resp: 40867

Ion Ratio Lower Upper

75 100

110 7.0 19.0 57.0#

77 0.0 25.4 38.0#

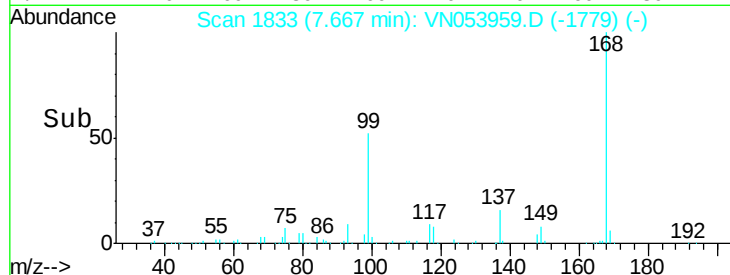


Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN053925.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053925.D (-1849) (-)

Time-->

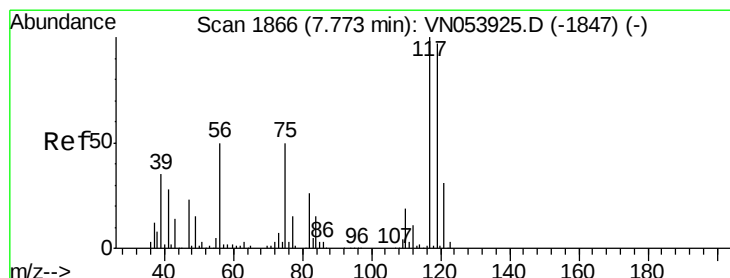


Abundance Ion 74.90 (74.60 to 75.60): VN053959.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053959.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053959.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.882 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

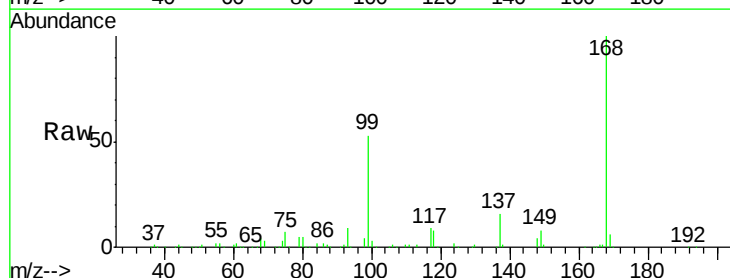
Tgt Ion: 117 Resp: 51700

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

121 0.0 24.6 36.8#

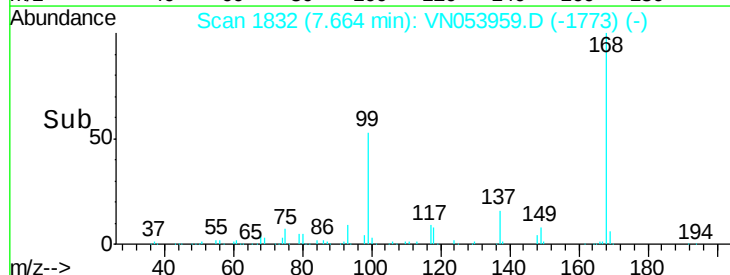


Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053925.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053925.D (-1847) (-)

Time-->

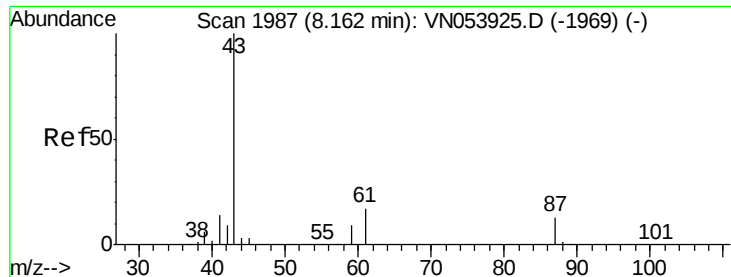


Abundance Ion 116.80 (116.50 to 117.50): VN053959.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053959.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053959.D (-1773) (-)

Time-->



#43

Isopropyl Acetate

Concen: 2.776 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#02

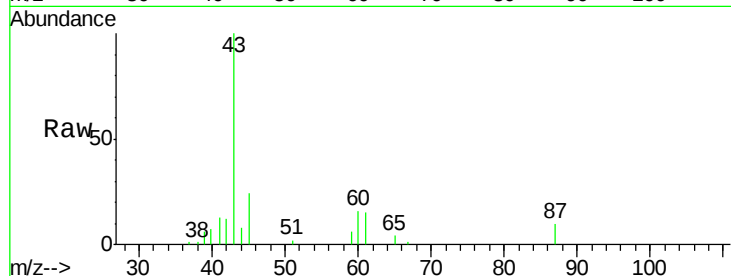
Tot Ion: 43 Resp: 34084

Ion Ratio Lower Upper

43 100

61 18.4 17.4 26.0

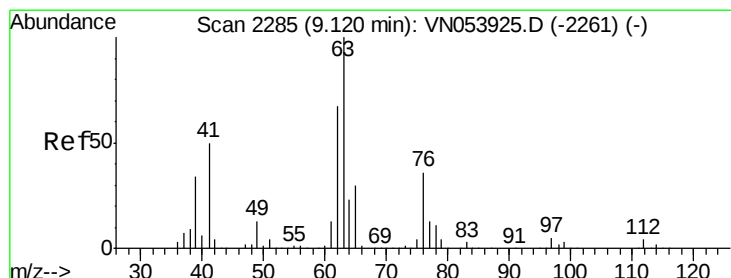
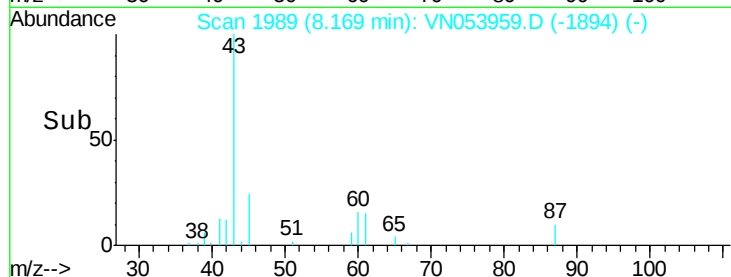
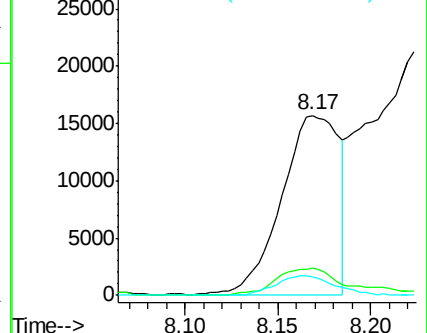
87 10.9 11.5 17.3#



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: 0.219 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN053959.D

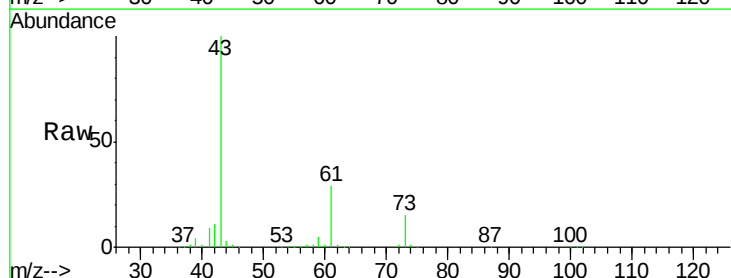
Acq: 26 Feb 2019 17:04

Tgt Ion: 63 Resp: 1848

Ion Ratio Lower Upper

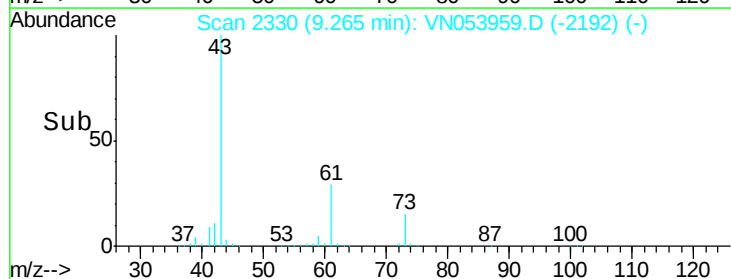
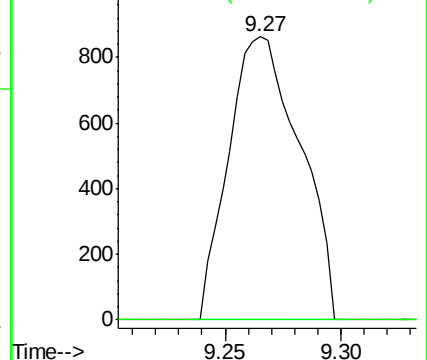
63 100

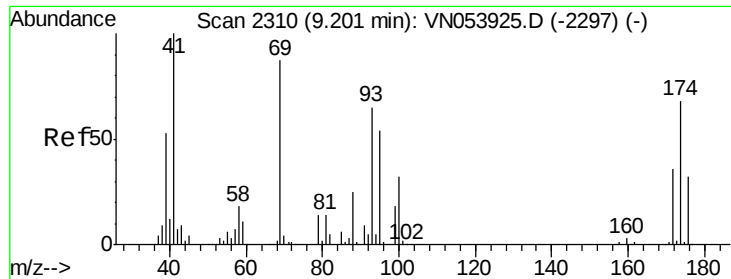
65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

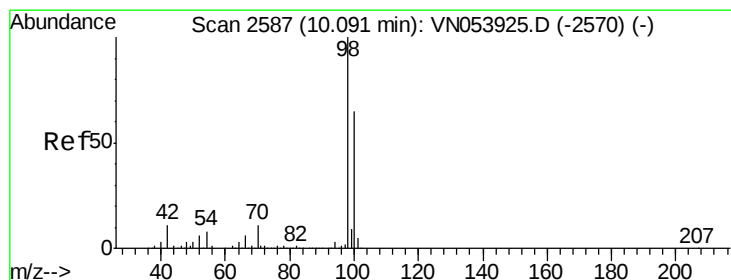
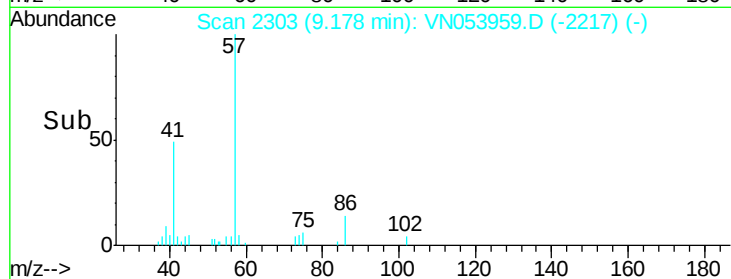
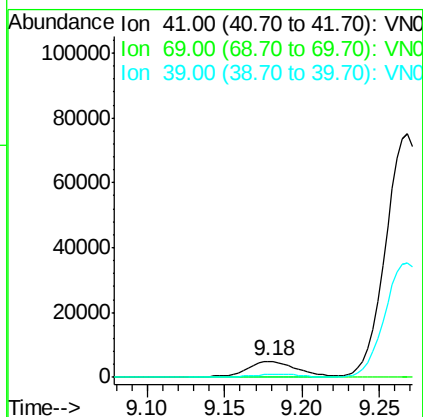
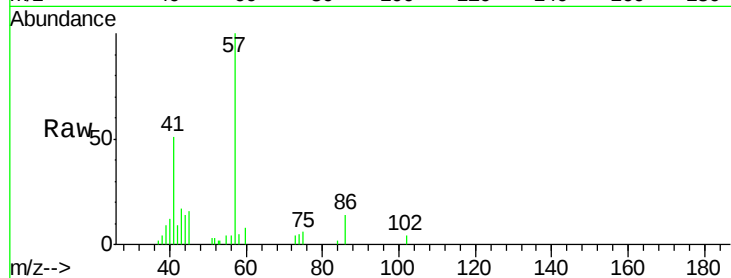




#48
Methyl methacrylate
Concen: 2.017 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053959.D
Acq: 26 Feb 2019 17:04

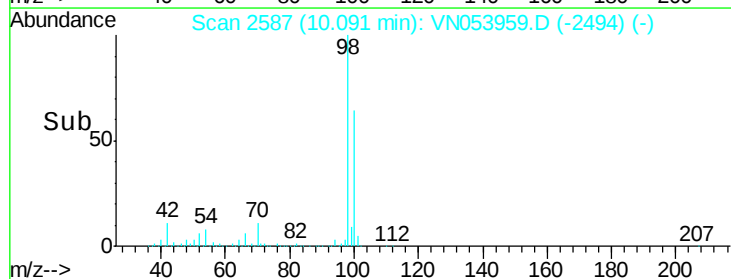
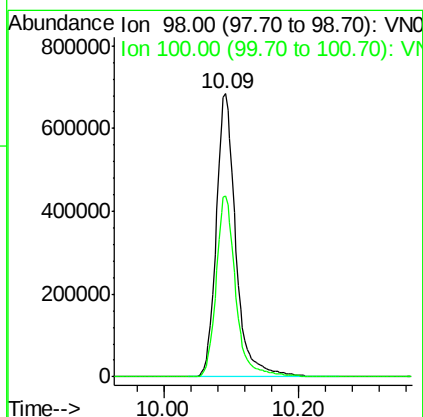
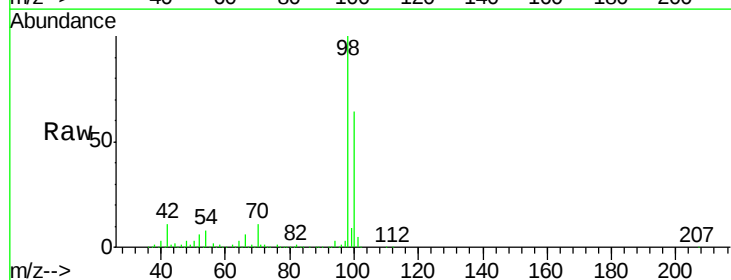
Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#02

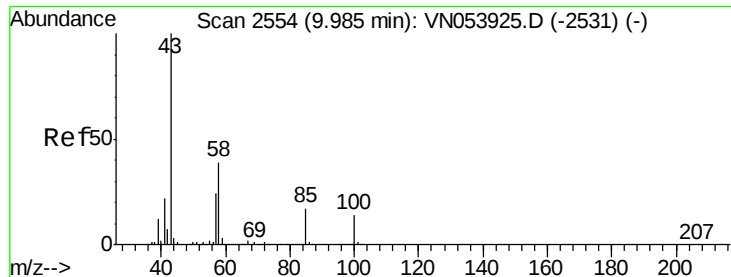
Tot Ion: 41 Resp: 11392
Ion Ratio Lower Upper
41 100
69 0.0 74.8 112.2#
39 0.0 39.0 58.6#



#50
Toluene-d8
Concen: 52.679 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053959.D
Acq: 26 Feb 2019 17:04

Tgt Ion: 98 Resp: 1388501
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.197 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

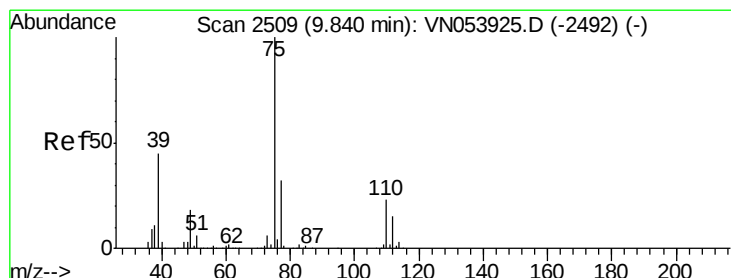
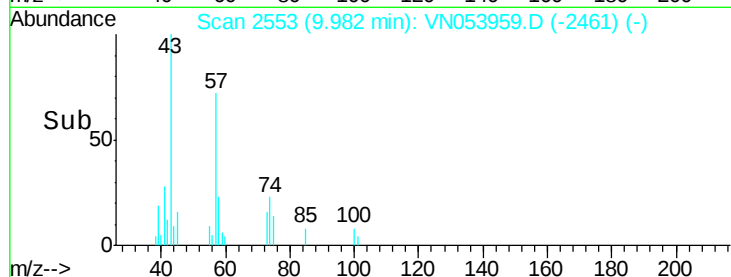
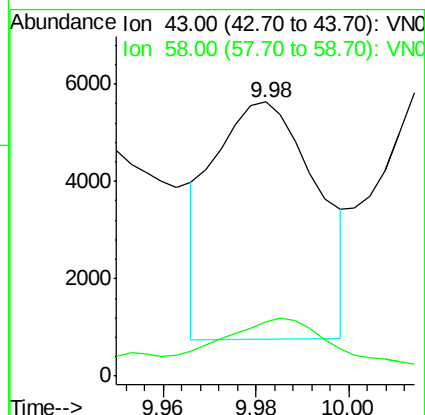
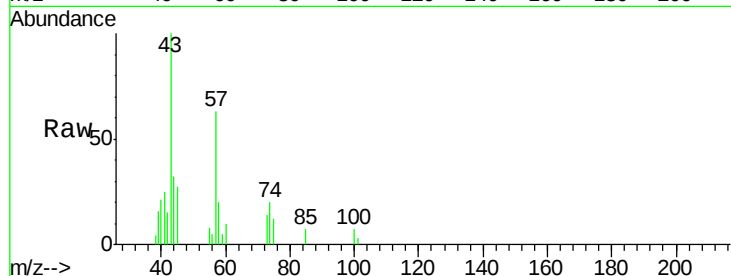
PB117375ZHE#02

Tot Ion: 43 Resp: 7551

Ion Ratio Lower Upper

43 100

58 31.3 32.7 49.1#



#54

cis-1,3-Dichloropropene

Concen: 6.278 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

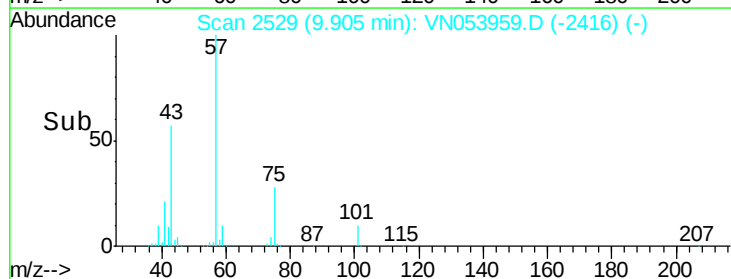
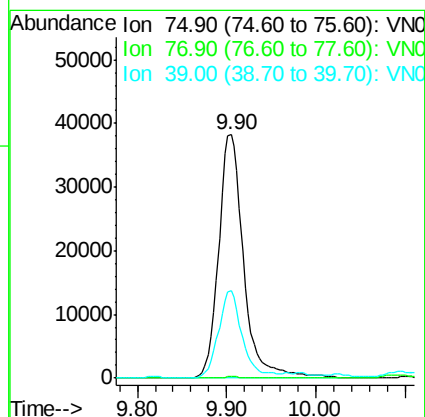
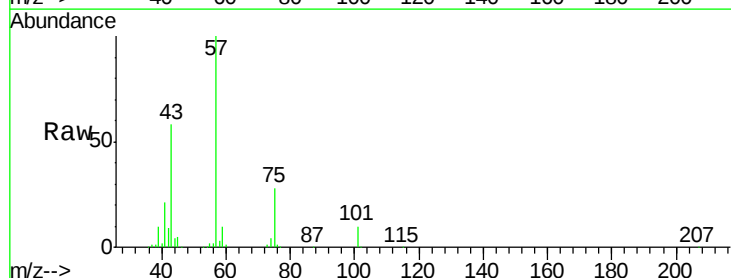
Tgt Ion: 75 Resp: 74359

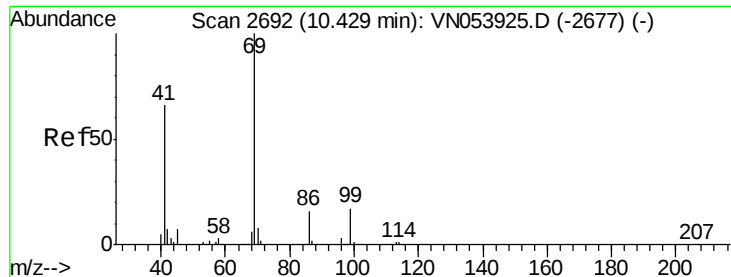
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

39 35.9 31.4 47.0

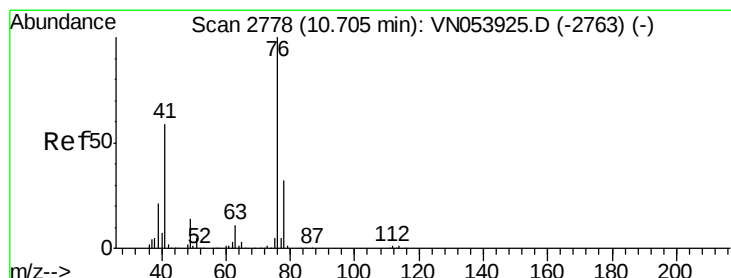
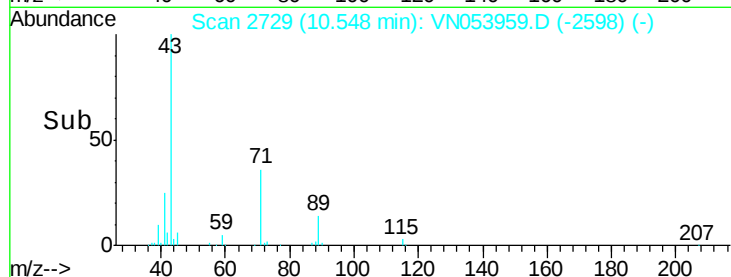
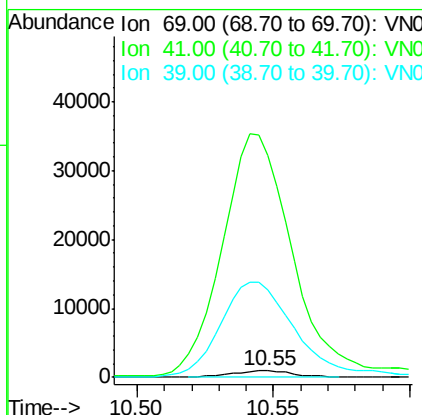
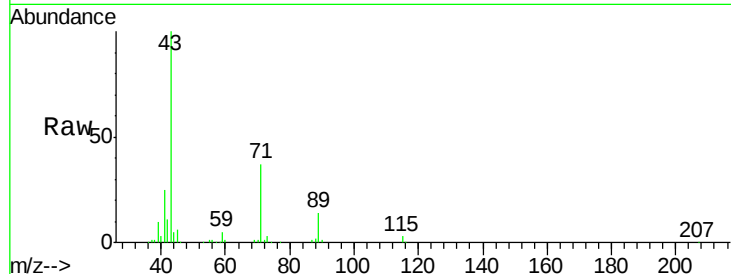




#56
Ethyl methacrylate
Concen: 2.111 ug/l
RT: 10.55 min Scan# 2729
Delta R.T. 0.12 min
Lab File: VN053959.D
Acq: 26 Feb 2019 17:04

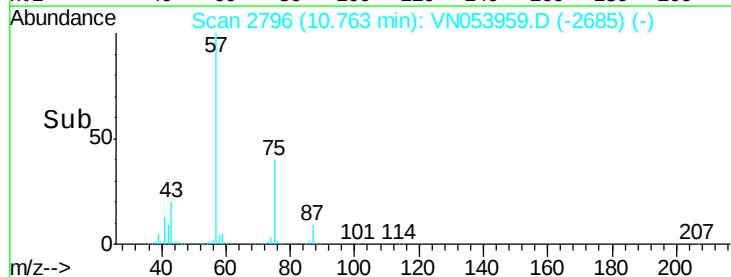
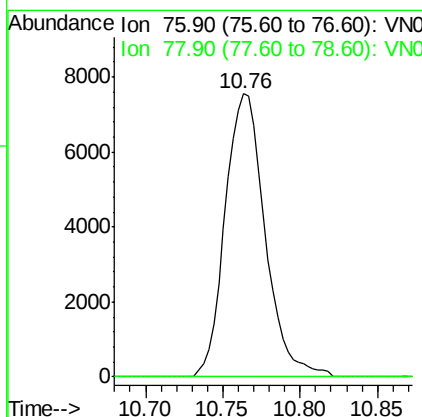
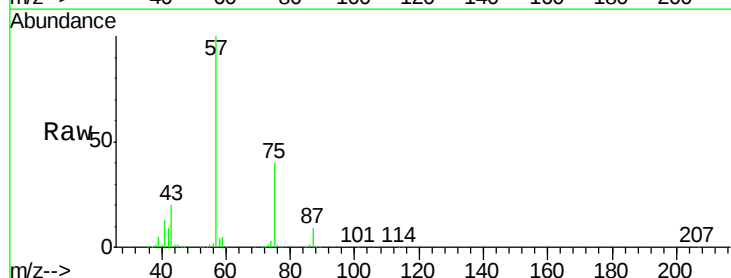
Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#02

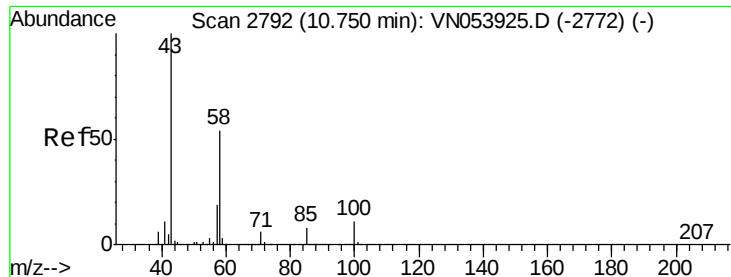
Tot Ion: 69 Resp: 1468
Ion Ratio Lower Upper
69 100
41 4318.2 47.5 71.3#
39 1806.6 23.4 35.0#



#57
1,3-Dichloropropane
Concen: 1.164 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.06 min
Lab File: VN053959.D
Acq: 26 Feb 2019 17:04

Tgt Ion: 76 Resp: 13525
Ion Ratio Lower Upper
76 100
78 0.0 25.2 37.8#

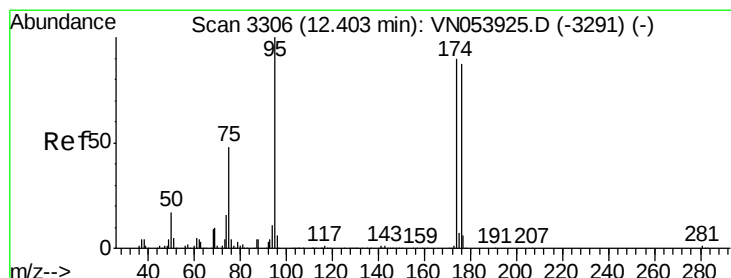
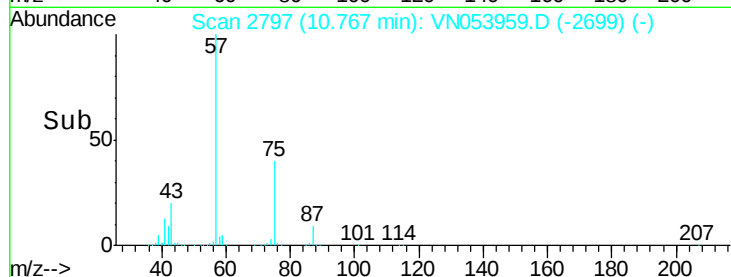
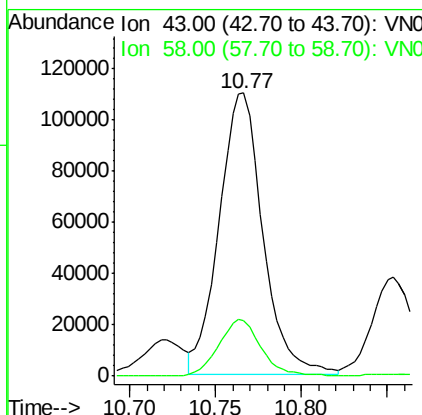
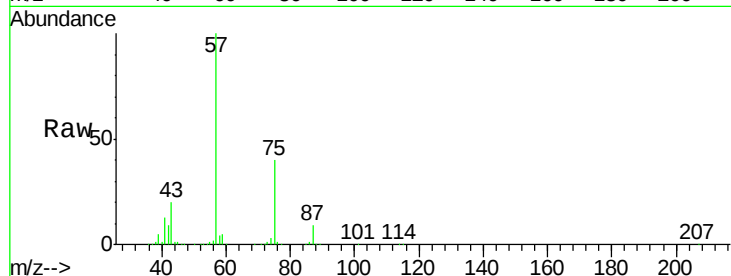




#59
2-Hexanone
Concen: 47.677 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN053959.D
Acq: 26 Feb 2019 17:04

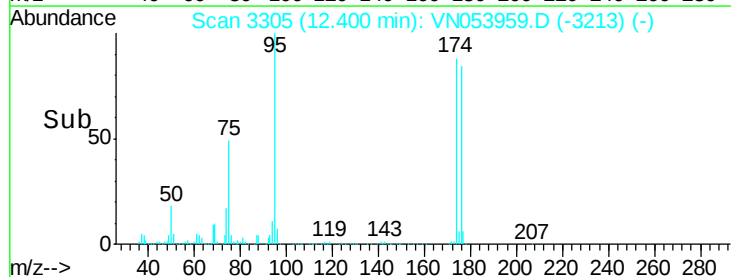
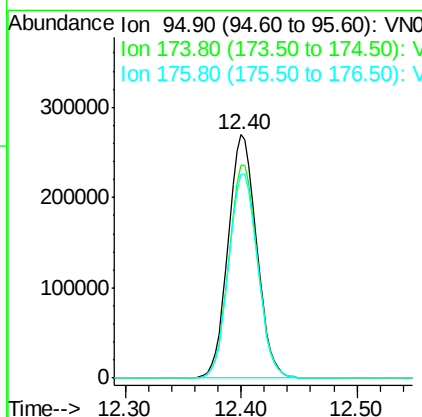
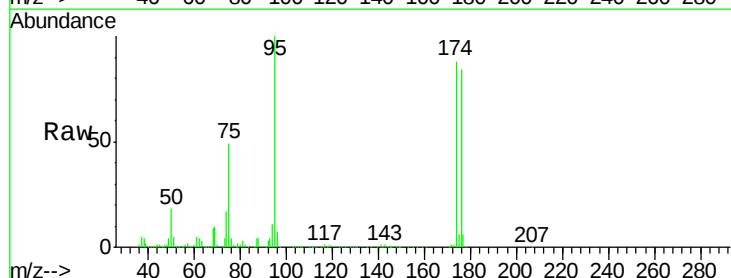
Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#02

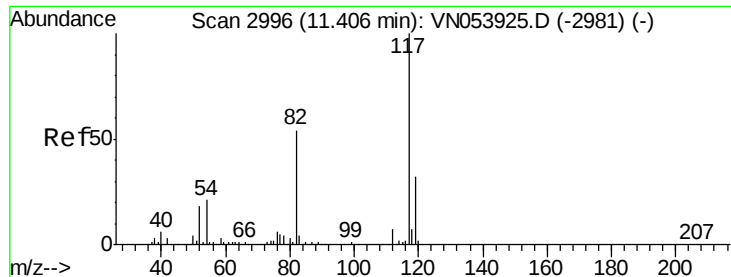
Tot Ion: 43 Resp: 195609
Ion Ratio Lower Upper
43 100
58 19.7 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 52.000 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053959.D
Acq: 26 Feb 2019 17:04

Tgt Ion: 95 Resp: 456637
Ion Ratio Lower Upper
95 100
174 87.9 0.0 188.8
176 85.3 0.0 182.6

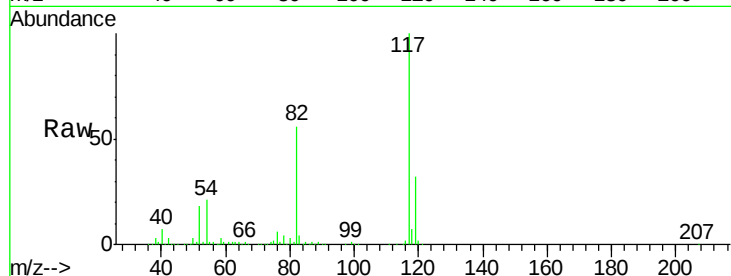




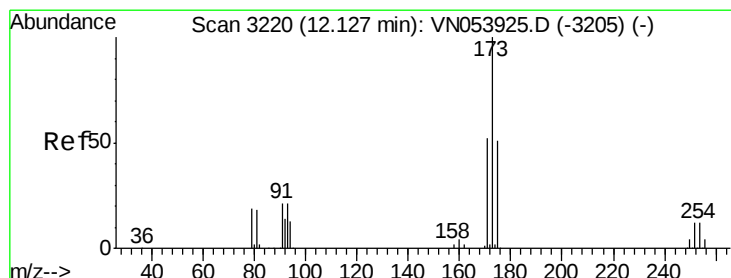
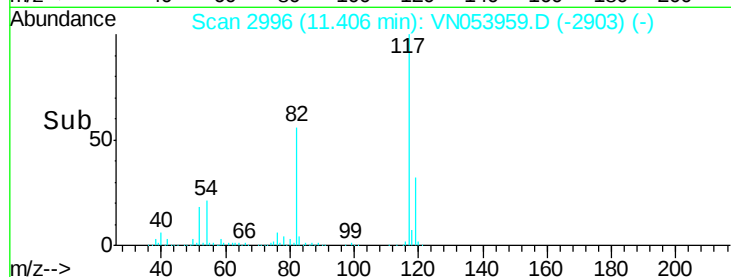
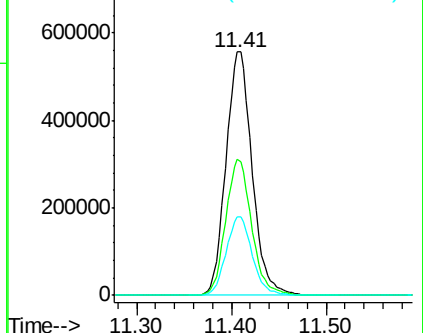
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053959.D
Acq: 26 Feb 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#02

Tot Ion:117 Resp: 1066302
Ion Ratio Lower Upper
117 100
82 55.8 41.4 62.2
119 32.5 25.3 37.9

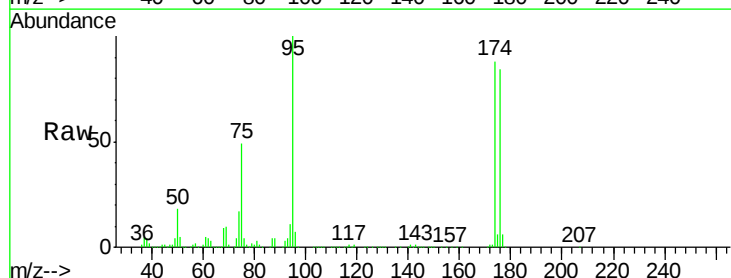


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

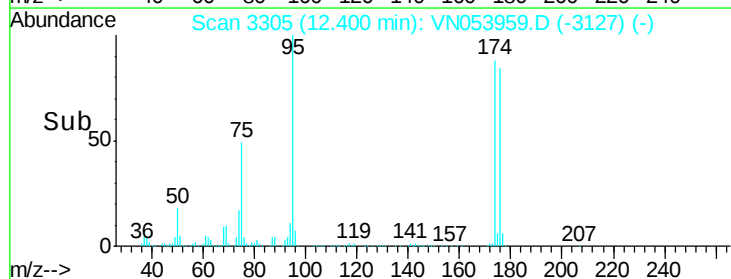
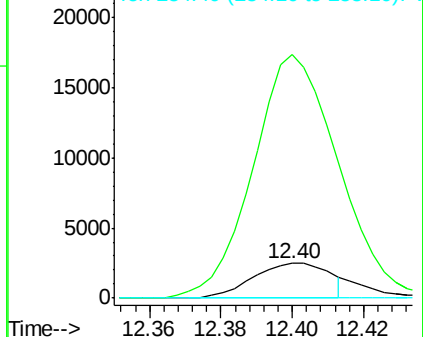


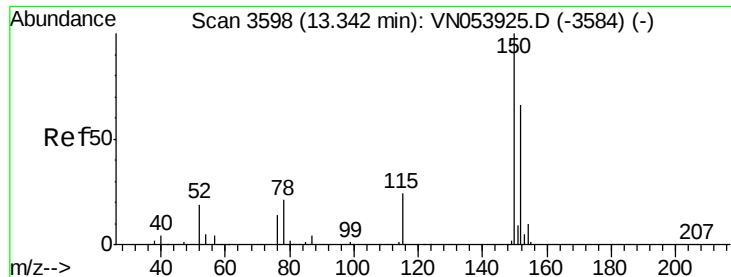
#71
Bromoform
Concen: 0.656 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053959.D
Acq: 26 Feb 2019 17:04

Tgt Ion:173 Resp: 3699
Ion Ratio Lower Upper
173 100
175 677.9 24.3 72.8#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#02

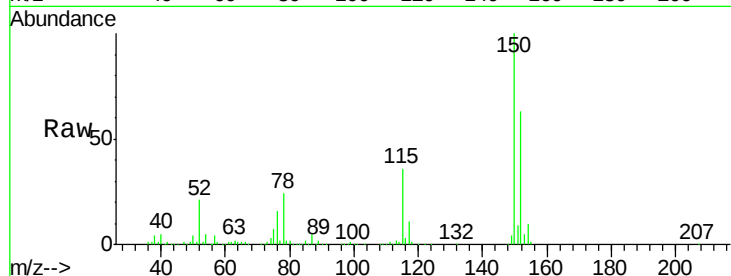
Tot Ion:152 Resp: 385923

Ion Ratio Lower Upper

152 100

115 55.9 27.2 81.6

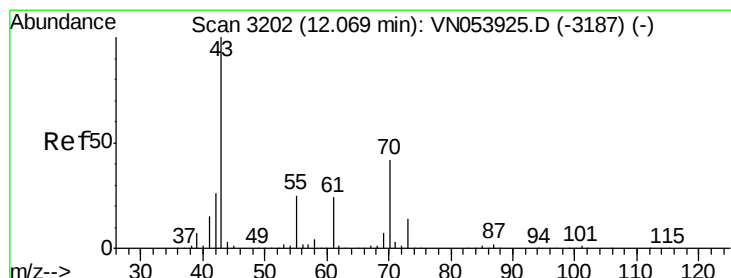
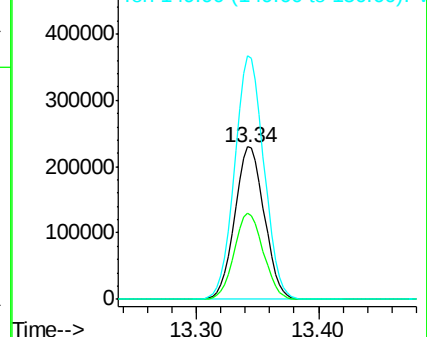
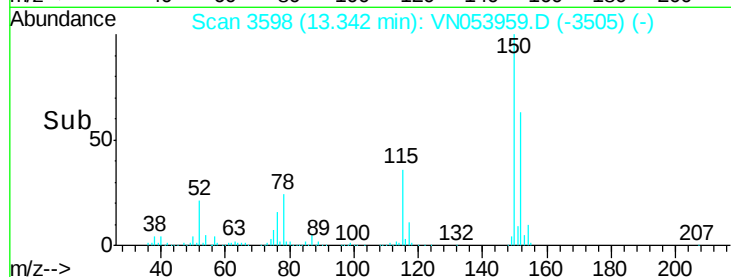
150 159.0 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.480 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Tgt Ion: 43 Resp: 19524

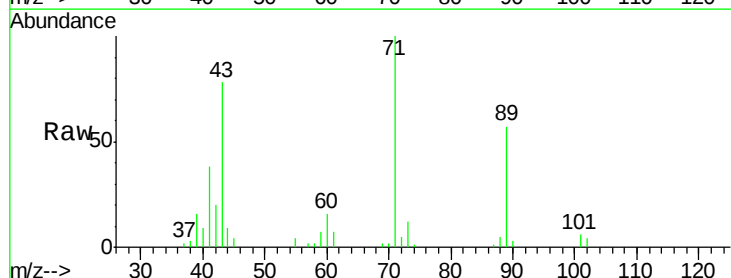
Ion Ratio Lower Upper

43 100

70 1.4 37.4 56.2#

55 5.0 21.4 32.0#

61 10.3 20.9 31.3#

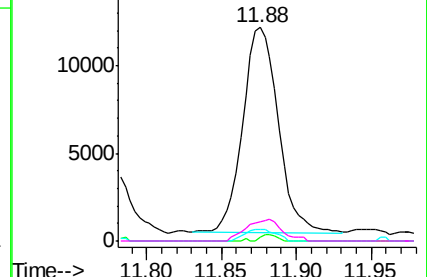
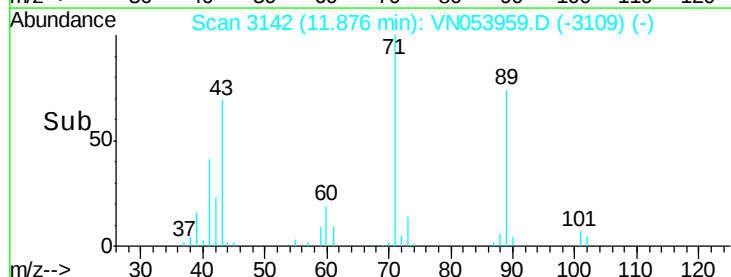


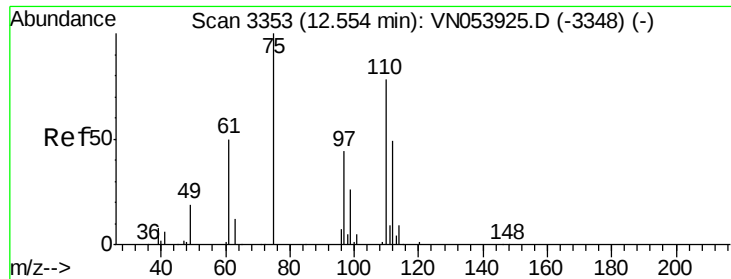
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.685 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

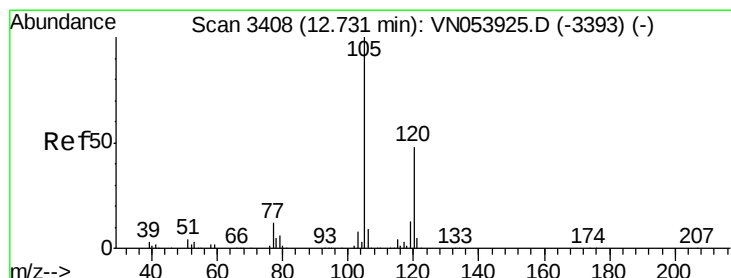
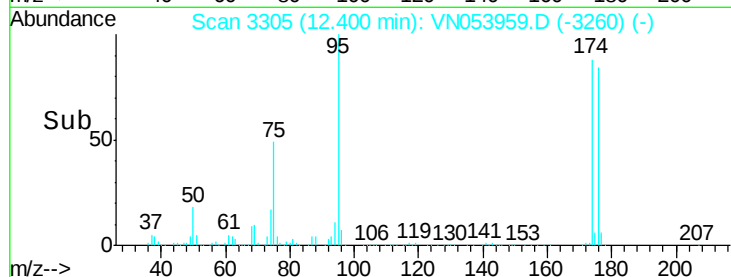
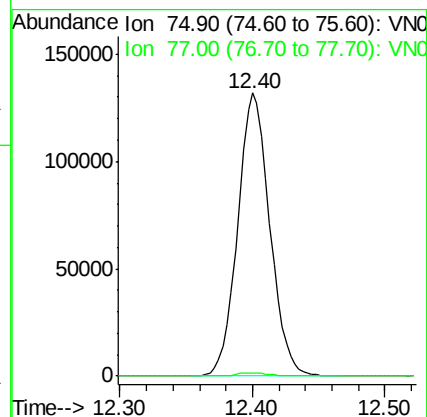
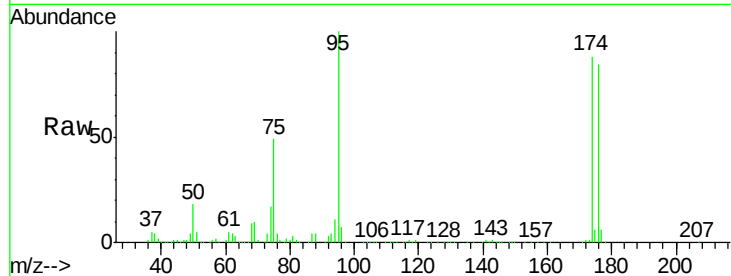
PB117375ZHE#02

Tot Ion: 75 Resp: 220921

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.236 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053959.D

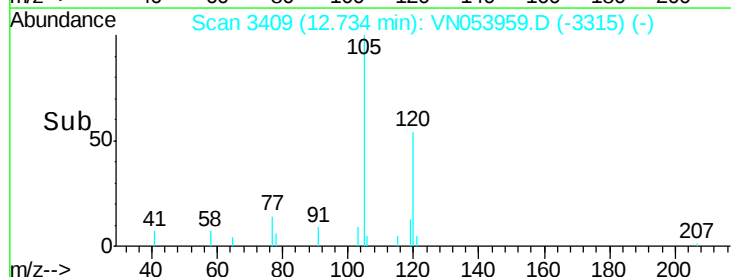
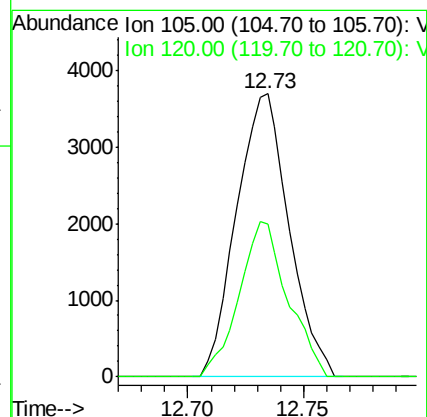
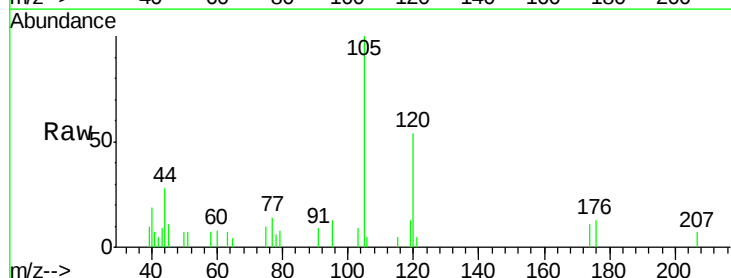
Acq: 26 Feb 2019 17:04

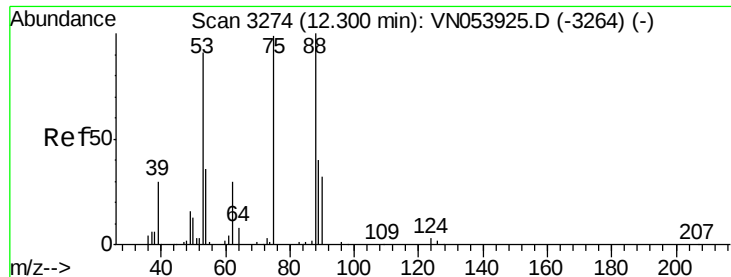
Tgt Ion:105 Resp: 5812

Ion Ratio Lower Upper

105 100

120 50.8 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 112.786 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#02

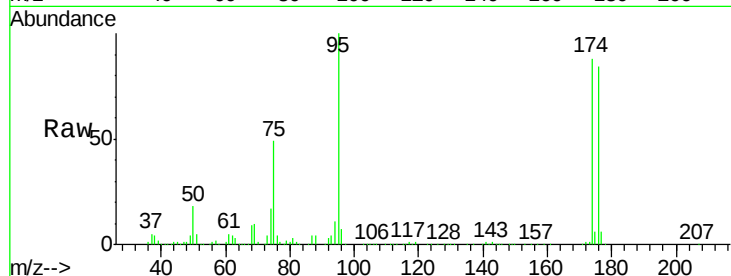
Tot Ion: 75 Resp: 220921

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

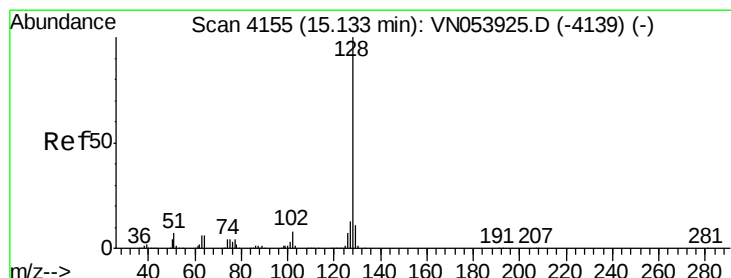
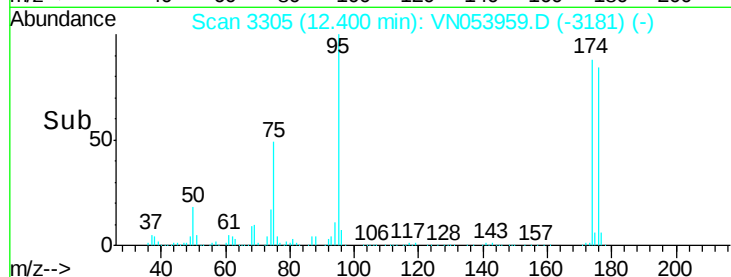
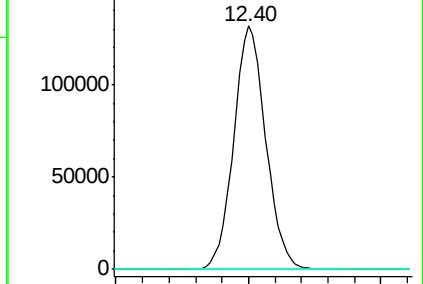
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053925.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053925.D (-3264) (-)



#95

Naphthalene

Concen: 3.239 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053959.D

Acq: 26 Feb 2019 17:04

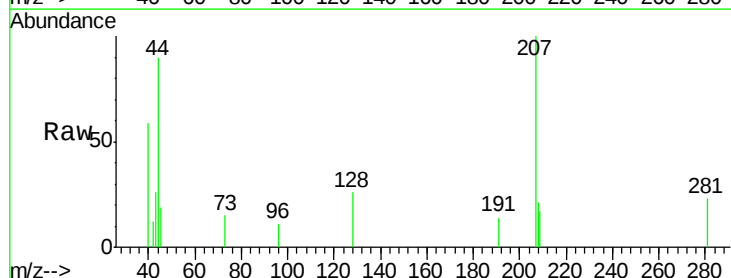
Tgt Ion: 128 Resp: 444

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN053925.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN053925.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN053925.D (-4139) (-)

