

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021519\
 Data File : VN053825.D
 Acq On : 16 Feb 2019 3:21
 Operator : JC/SP
 Sample : PB117124ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117124ZHE#10

Quant Time: Feb 18 08:15:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	641953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1079382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1018076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	399668	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	344456	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
35) Dibromofluoromethane	7.59	113	343626	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.09	98	1321187	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.40	95	436094	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

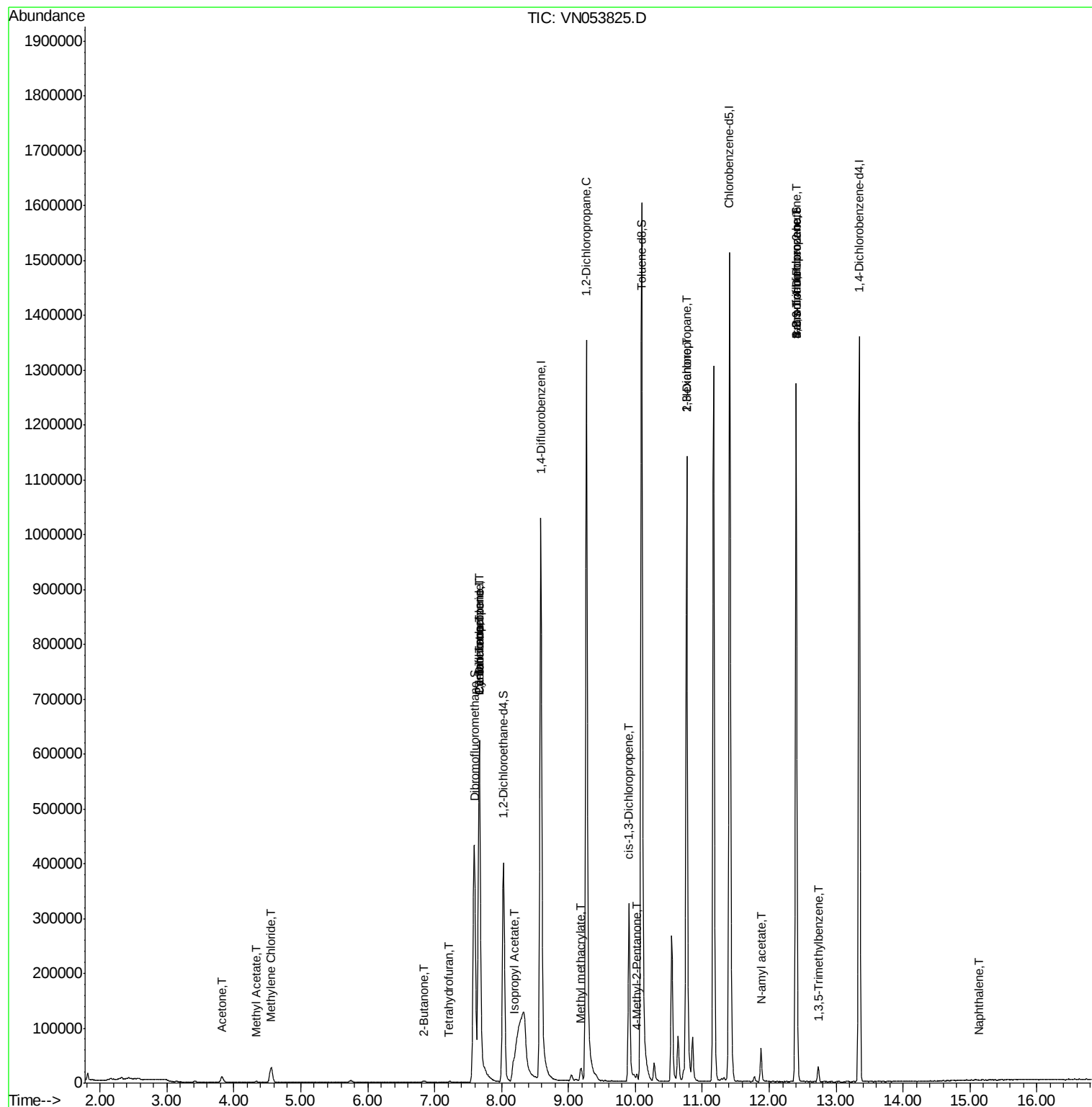
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	19258	11.658	ug/l	90
18) Methyl Acetate	4.33	43	2182	0.446	ug/l	94
20) Methylene Chloride	4.55	84	21622	3.120	ug/l	95
25) 2-Butanone	6.85	43	3576	1.518	ug/l #	89
29) Tetrahydrofuran	7.22	42	1511	0.999	ug/l #	70
31) Cyclohexane	7.67	56	9634	0.718	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	37236	3.827	ug/l #	48
38) Carbon Tetrachloride	7.67	117	52544	5.361	ug/l #	15
43) Isopropyl Acetate	8.18	43	31534	3.005	ug/l #	73
45) 1,2-Dichloropropane	9.27	63	1560	0.203	ug/l #	43
48) Methyl methacrylate	9.18	41	9526	1.902	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	7935	1.539	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	67634	5.926	ug/l #	63
57) 1,3-Dichloropropane	10.77	76	12995	1.185	ug/l #	43
59) 2-Hexanone	10.77	43	169327	48.365	ug/l #	51
71) Bromoform	12.40	173	2555	0.493	ug/l #	1
74) N-amyl acetate	11.88	43	18154	2.687	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	201818	39.314	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	15131	0.649	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	201818	110.548	ug/l #	15
95) Naphthalene	15.14	128	100	1.742	ug/l #	69

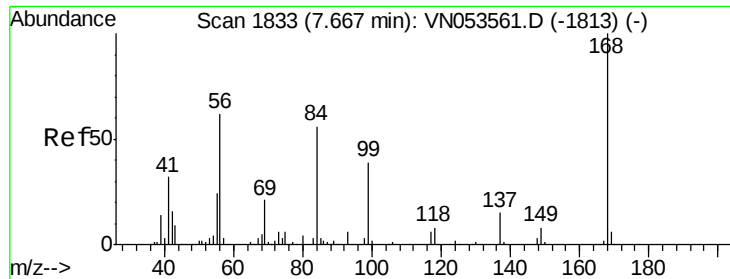
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 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: VN053825.D

Acq: 16 Feb 2019 3:21

Instrument :

MSVOA_N

ClientSampleId :

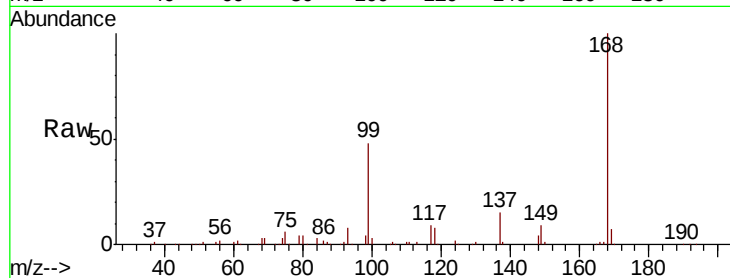
PB117124ZHE#10

Tgt Ion:168 Resp: 641953

Ion Ratio Lower Upper

168 100

99 48.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053825.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053825.D (-1740) (-)

7.67

250000

200000

150000

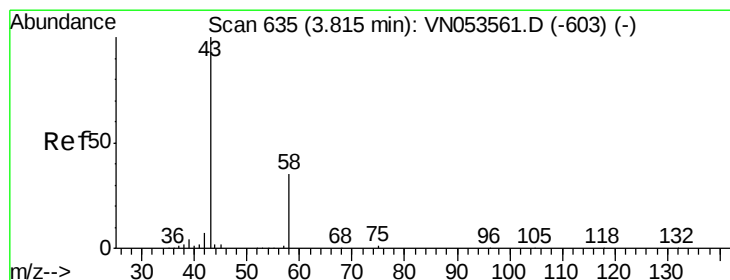
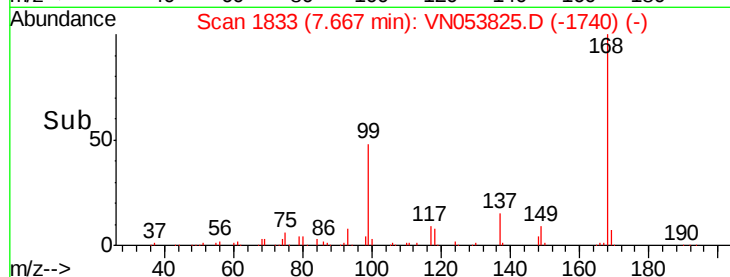
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 11.658 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053825.D

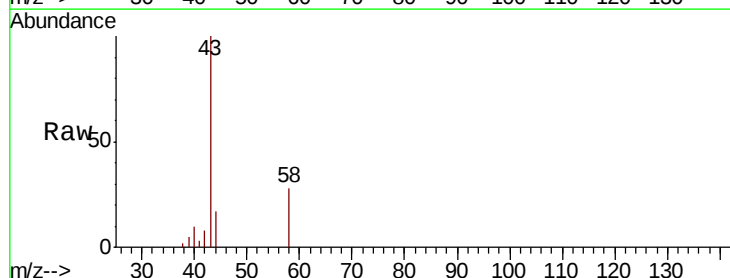
Acq: 16 Feb 2019 3:21

Tgt Ion: 43 Resp: 19258

Ion Ratio Lower Upper

43 100

58 28.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053825.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053825.D (-542) (-)

3.82

8000

6000

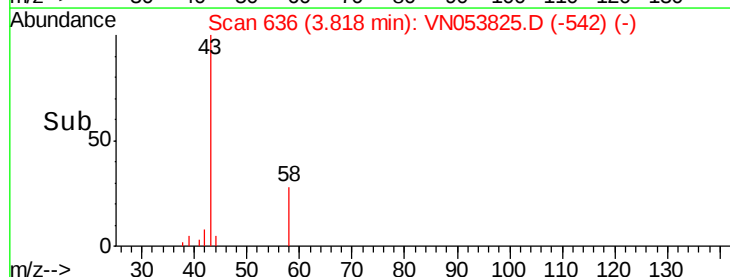
4000

2000

0

3.70 3.80 3.90

Time-->

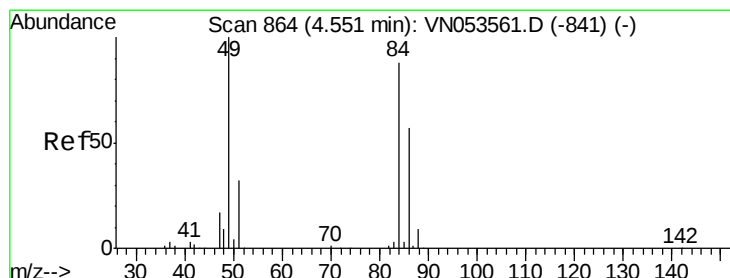
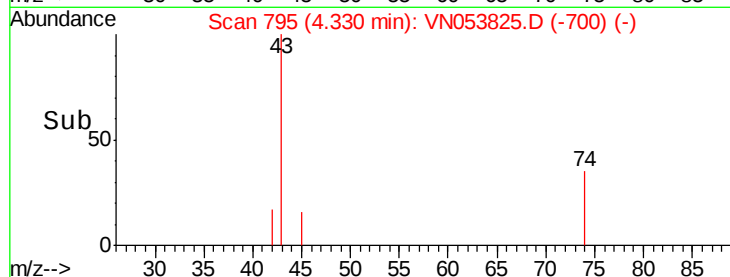
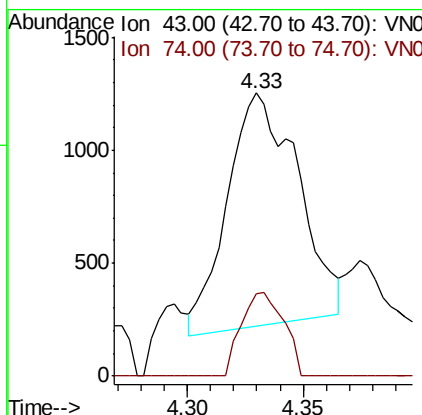
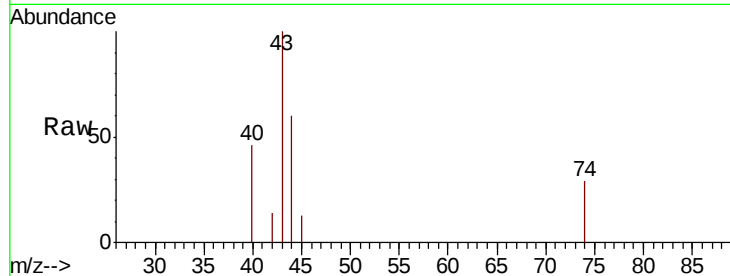




#18
Methyl Acetate
Concen: 0.446 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053825.D
Acq: 16 Feb 2019 3:21

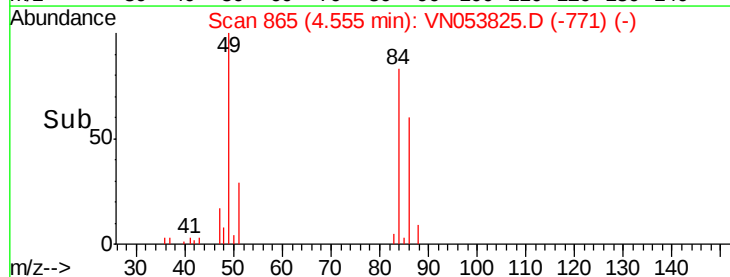
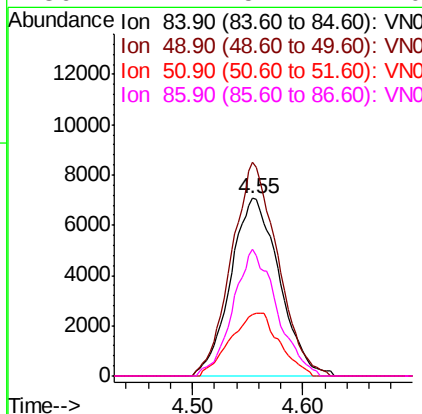
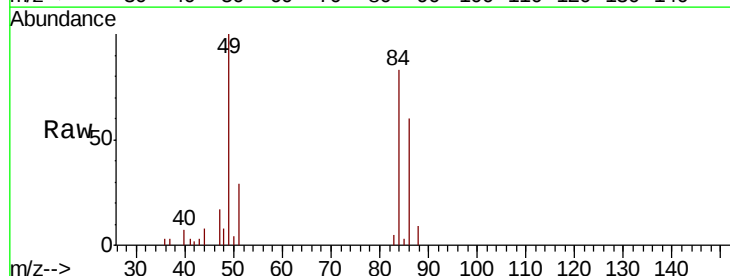
Instrument :
MSVOA_N
ClientSampleId :
PB117124ZHE#10

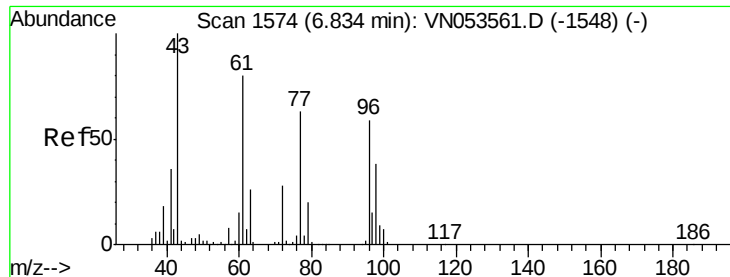
Tgt Ion: 43 Resp: 2182
Ion Ratio Lower Upper
43 100
74 21.4 19.4 29.2



#20
Methylene Chloride
Concen: 3.120 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053825.D
Acq: 16 Feb 2019 3:21

Tgt Ion: 84 Resp: 21622
Ion Ratio Lower Upper
84 100
49 120.2 94.3 141.5
51 34.7 29.4 44.2
86 71.7 51.4 77.0

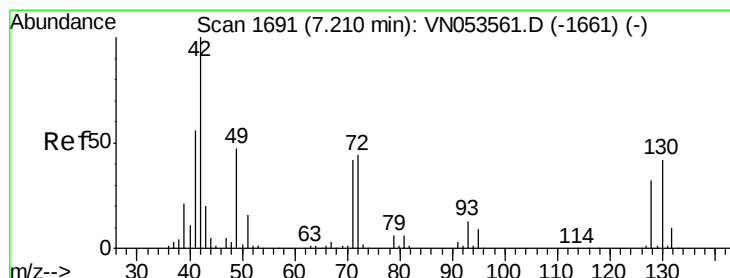
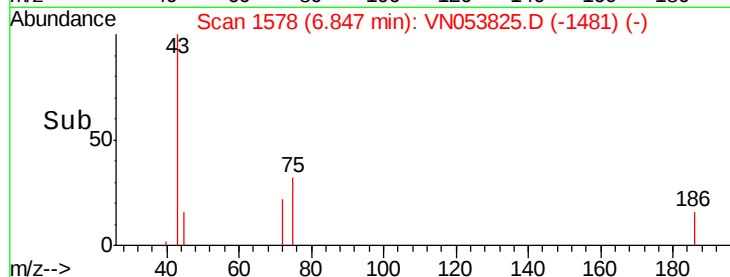
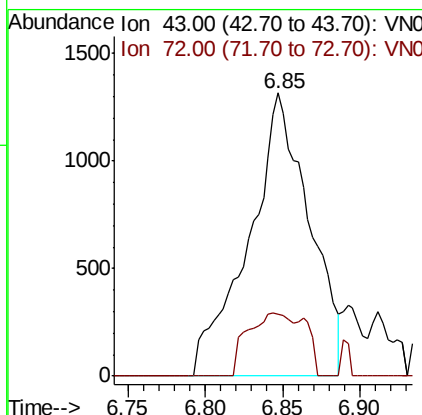
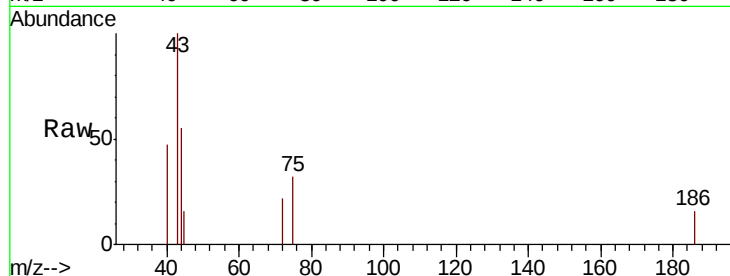




#25
 2-Butanone
 Concen: 1.518 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN053825.D
 Acq: 16 Feb 2019 3:21

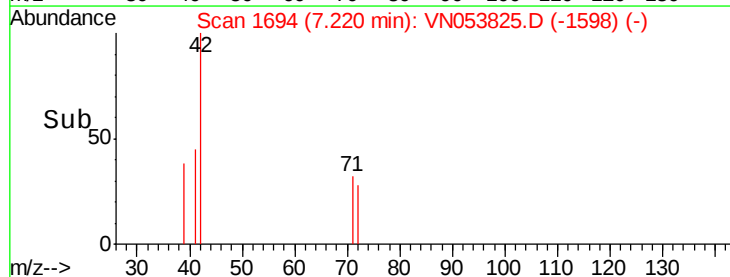
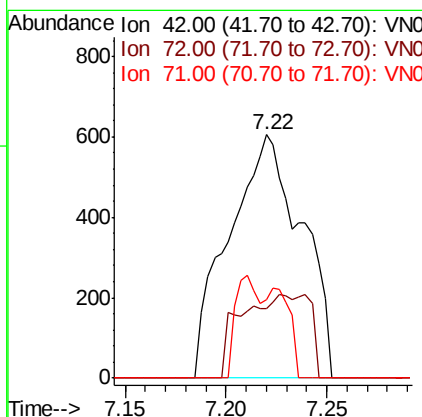
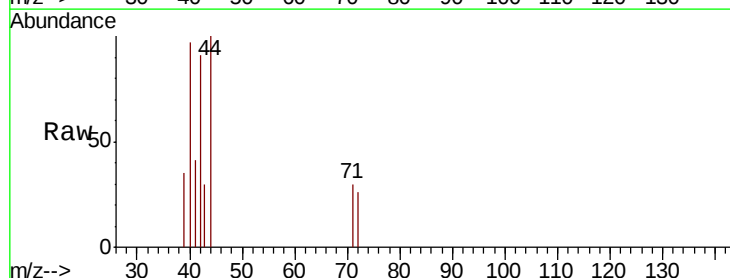
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117124ZHE#10

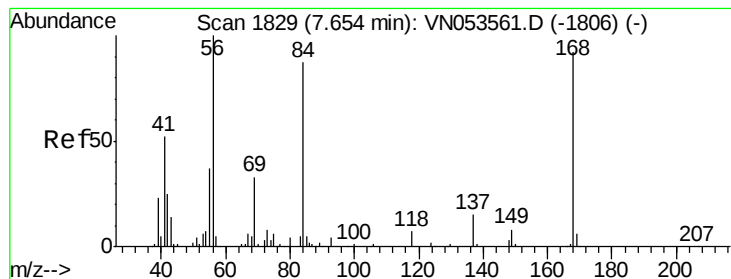
Tgt Ion: 43 Resp: 3576
 Ion Ratio Lower Upper
 43 100
 72 21.8 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 0.999 ug/l
 RT: 7.22 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VN053825.D
 Acq: 16 Feb 2019 3:21

Tgt Ion: 42 Resp: 1511
 Ion Ratio Lower Upper
 42 100
 72 32.6 35.2 52.8#
 71 13.9 33.0 49.4#





#31

Cyclohexane

Concen: 0.718 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#10

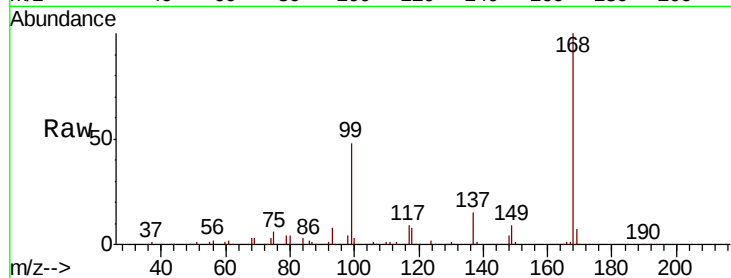
Tgt Ion: 56 Resp: 9634

Ion Ratio Lower Upper

56 100

69 209.4 26.4 39.6#

84 186.5 67.9 101.9#

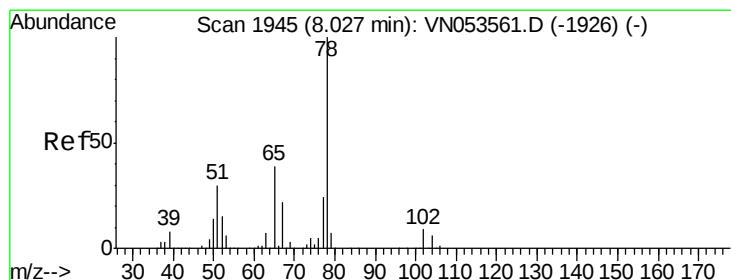
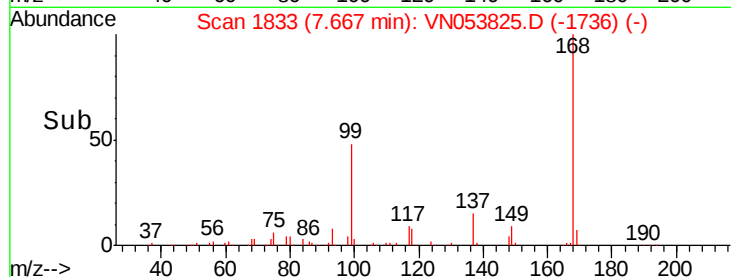
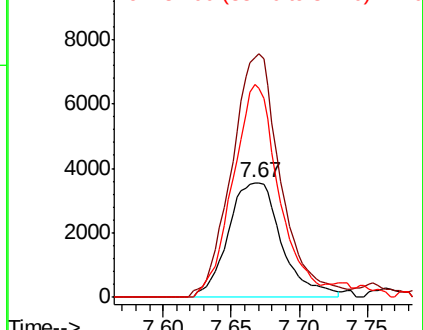


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: 53.487 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053825.D

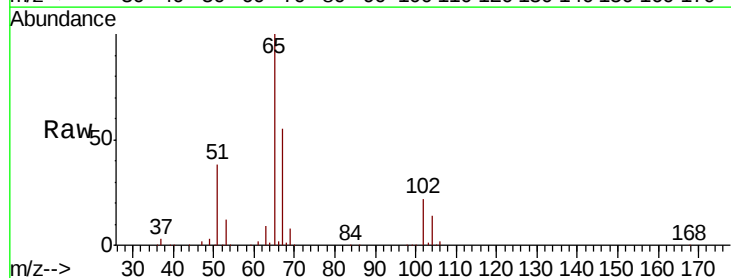
Acq: 16 Feb 2019 3:21

Tgt Ion: 65 Resp: 344456

Ion Ratio Lower Upper

65 100

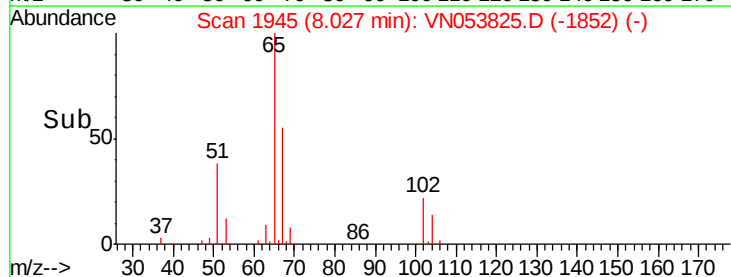
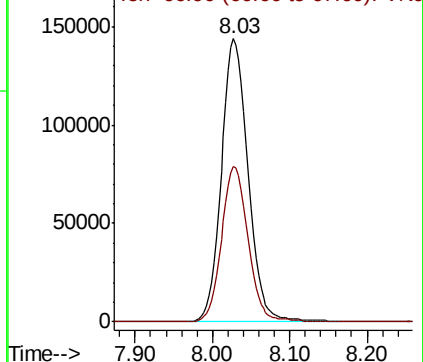
67 54.7 0.0 111.2

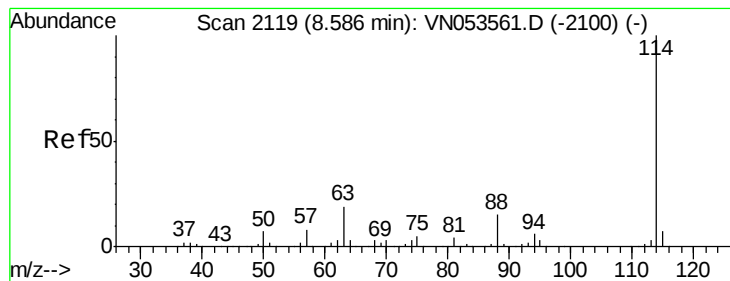


Abundance

Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

Instrument :

MSVOA_N

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PB117124ZHE#10

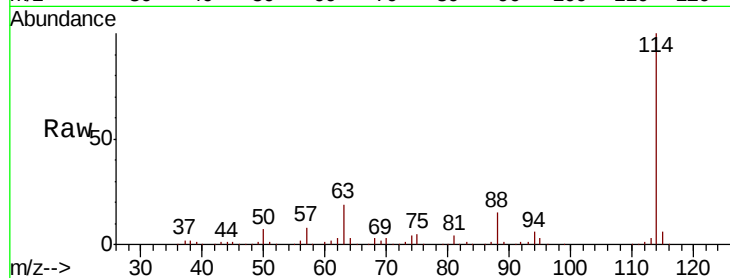
Tgt Ion:114 Resp: 1079382

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

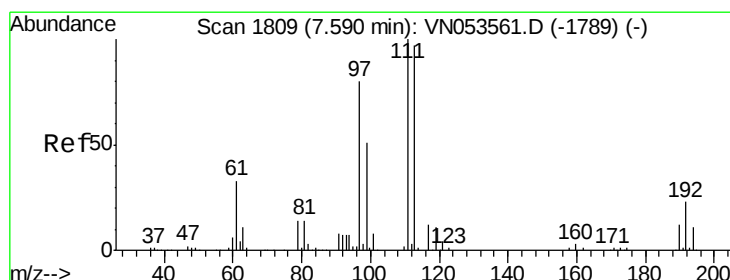
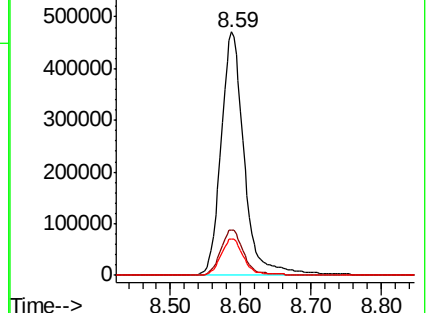
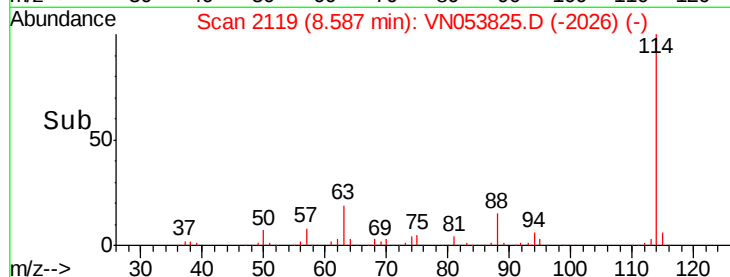
88 15.0 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.383 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

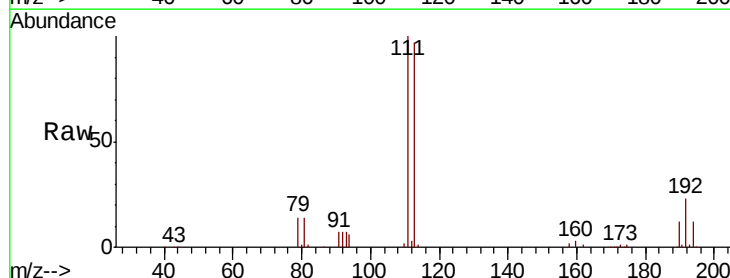
Tgt Ion:113 Resp: 343626

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

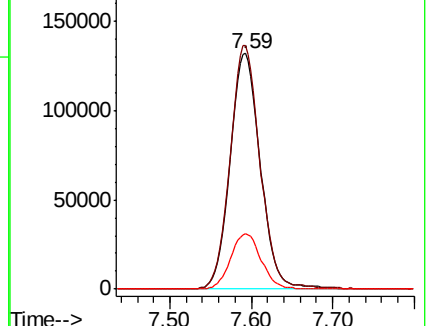
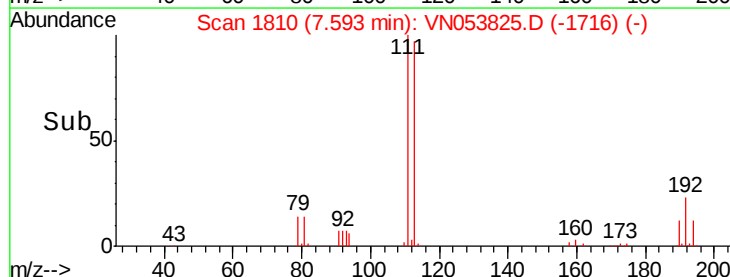
192 23.6 18.2 27.2

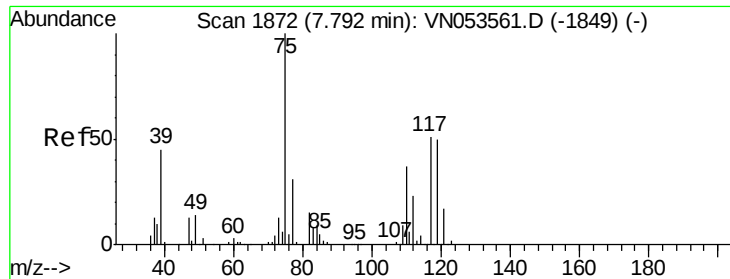


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

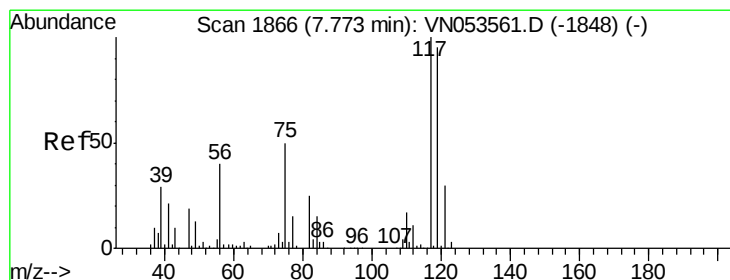
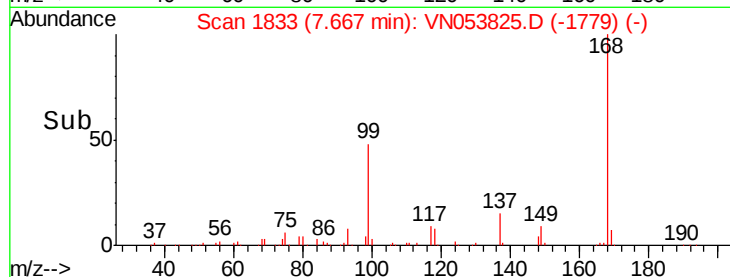
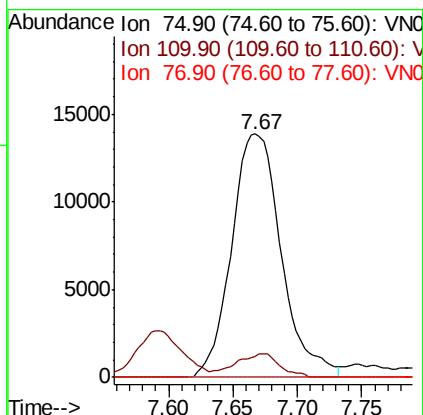
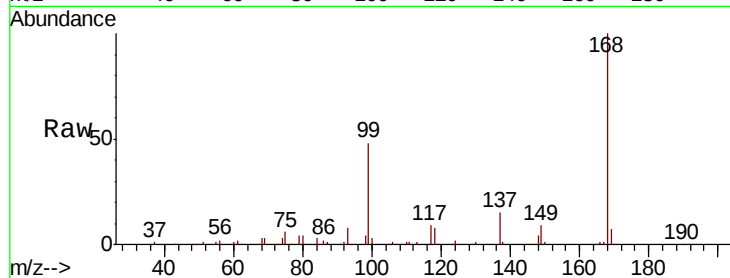




#36
 1,1-Dichloropropene
 Concen: 3.827 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053825.D
 Acq: 16 Feb 2019 3:21

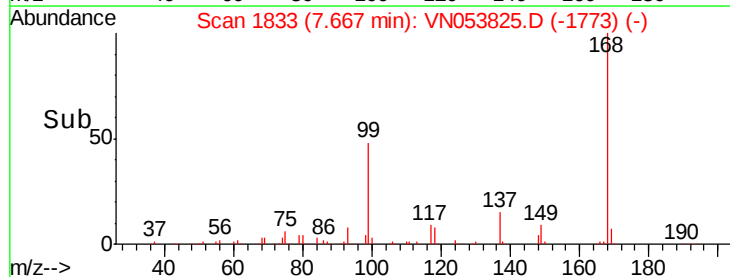
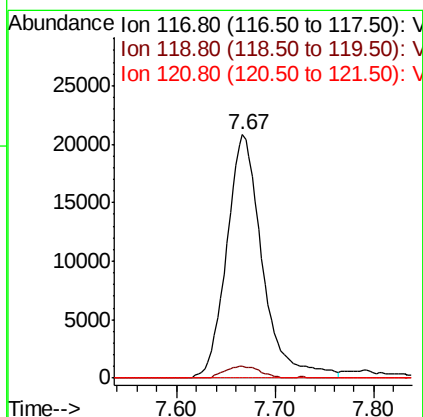
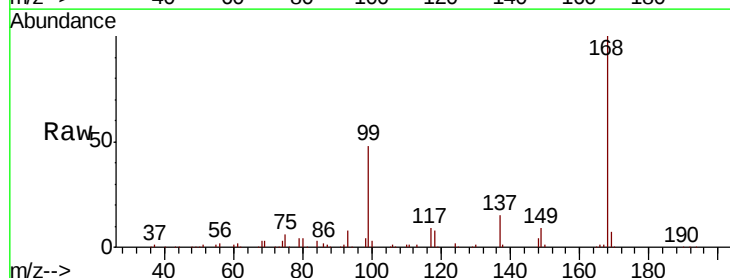
Instrument :
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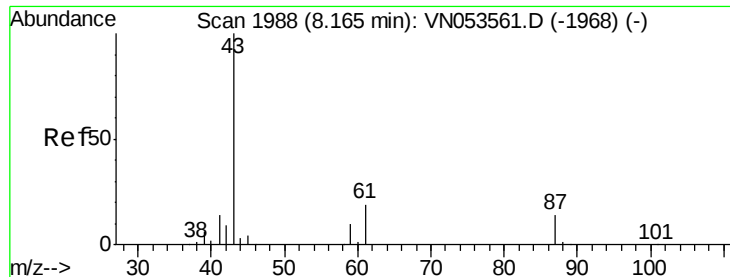
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.361 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053825.D
 Acq: 16 Feb 2019 3:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.2	115.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 3.005 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.01 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#10

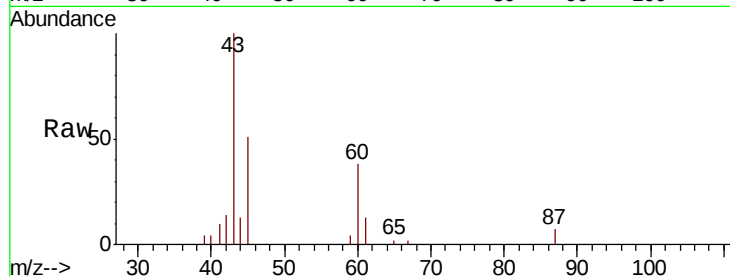
Tgt Ion: 43 Resp: 31534

Ion Ratio Lower Upper

43 100

61 11.0 23.9 35.9#

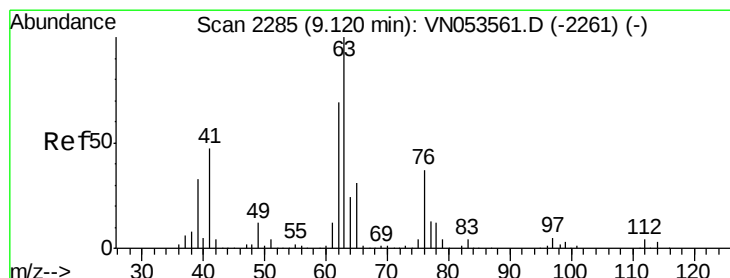
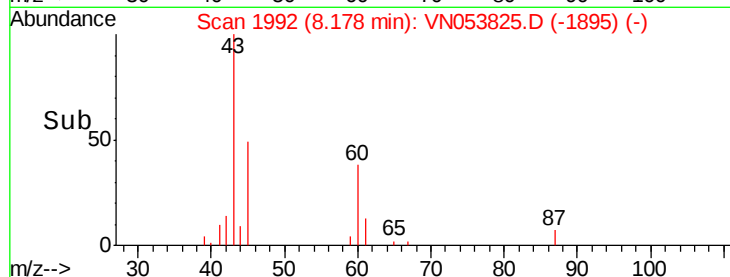
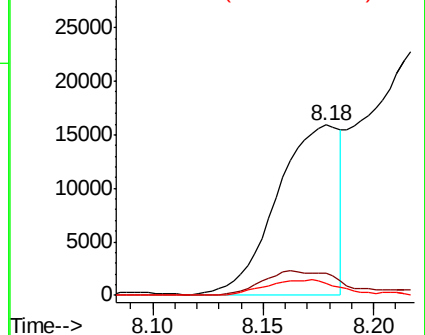
87 10.4 11.0 16.6#



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: 0.203 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053825.D

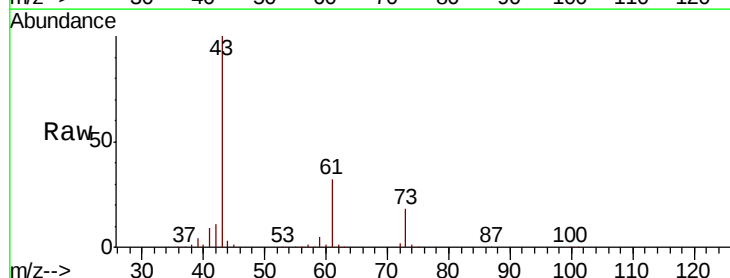
Acq: 16 Feb 2019 3:21

Tgt Ion: 63 Resp: 1560

Ion Ratio Lower Upper

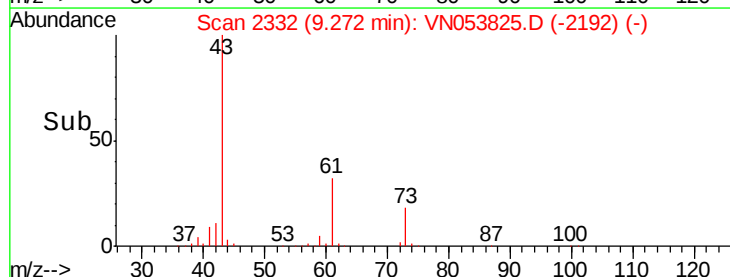
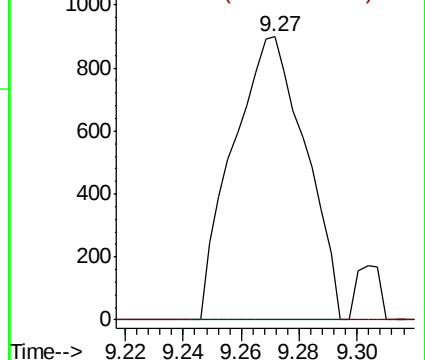
63 100

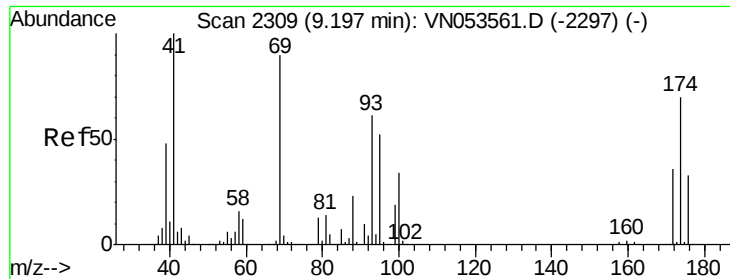
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

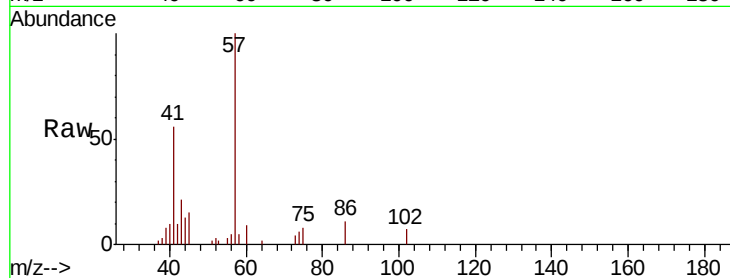




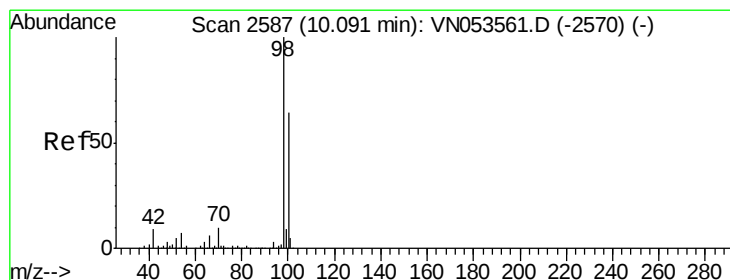
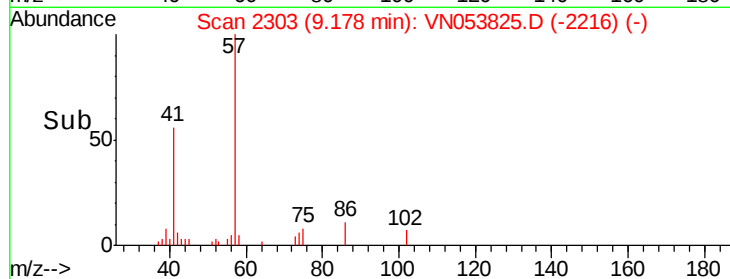
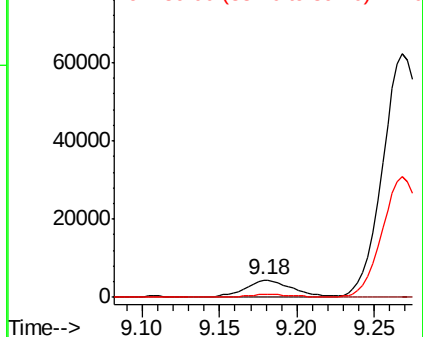
#48
Methyl methacrylate
Concen: 1.902 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053825.D
Acq: 16 Feb 2019 3:21

Instrument :
MSVOA_N
ClientSampleId :
PB117124ZHE#10

Tgt Ion: 41 Resp: 9526
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#

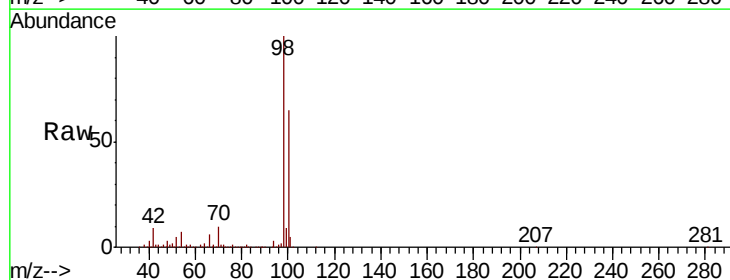


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

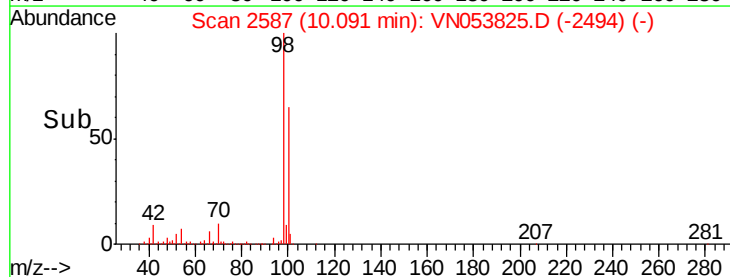
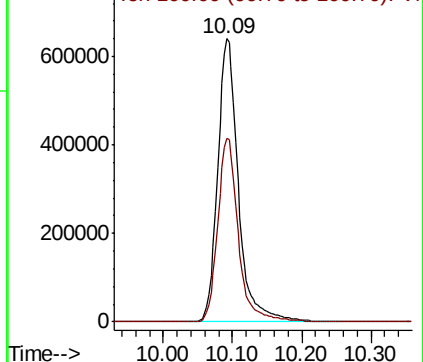


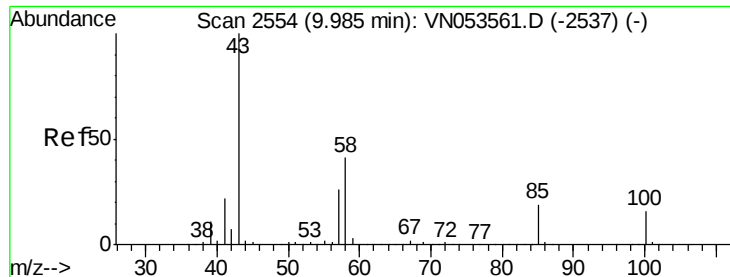
#50
Toluene-d8
Concen: 51.591 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053825.D
Acq: 16 Feb 2019 3:21

Tgt Ion: 98 Resp: 1321187
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.539 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

Instrument :

MSVOA_N

ClientSampleId :

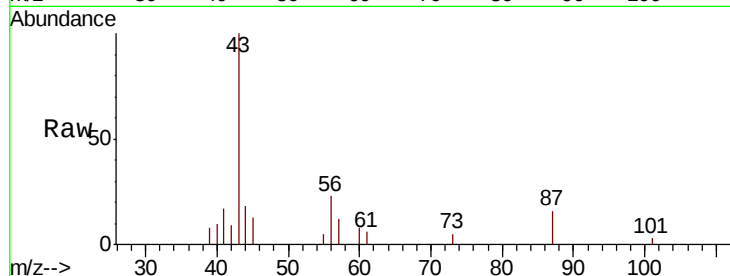
PB117124ZHE#10

Tgt Ion: 43 Resp: 7935

Ion Ratio Lower Upper

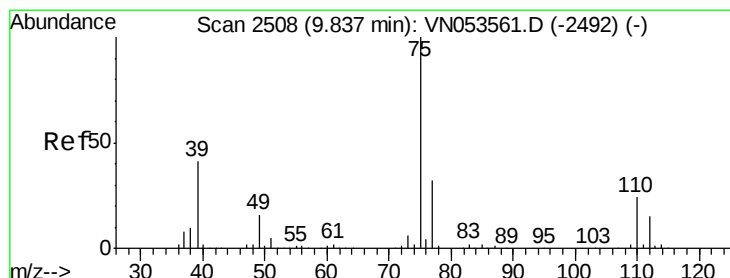
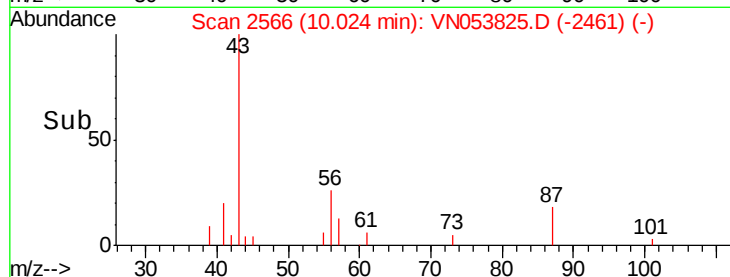
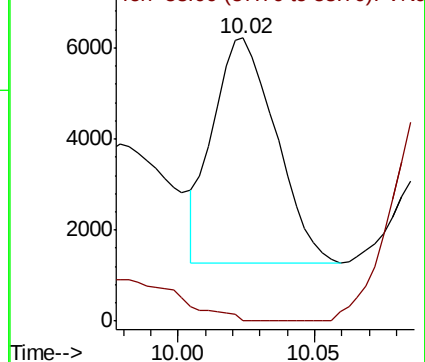
43 100

58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.926 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

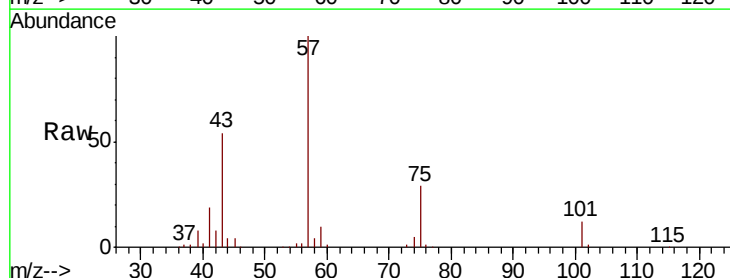
Tgt Ion: 75 Resp: 67634

Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.6#

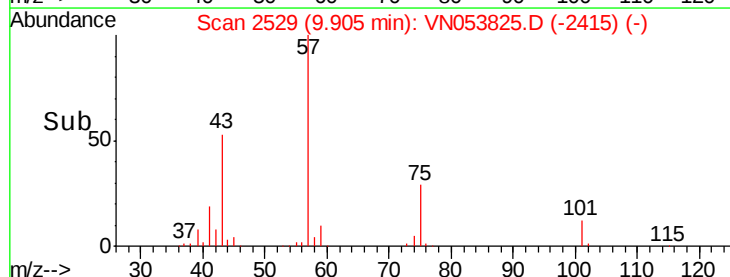
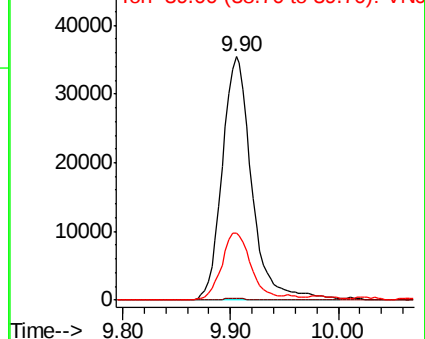
39 27.4 33.4 50.0#

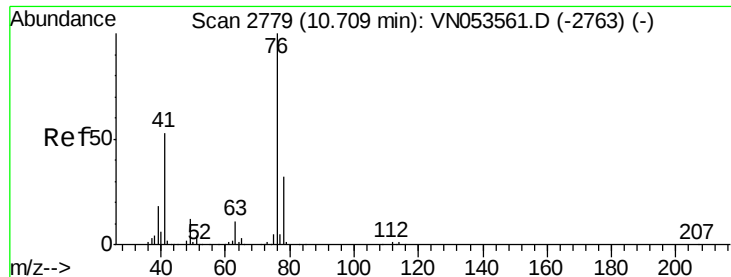


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

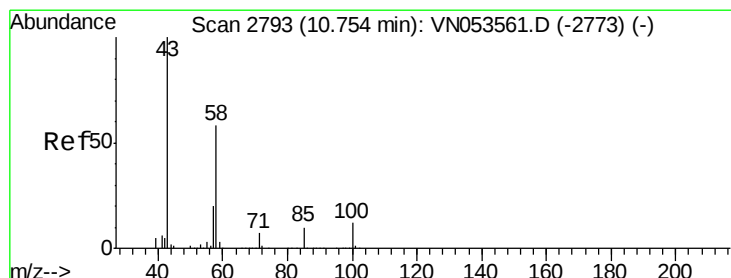
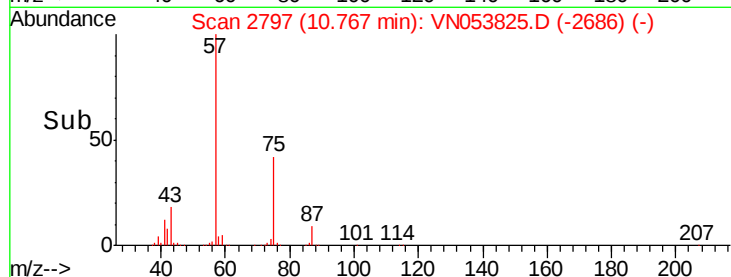
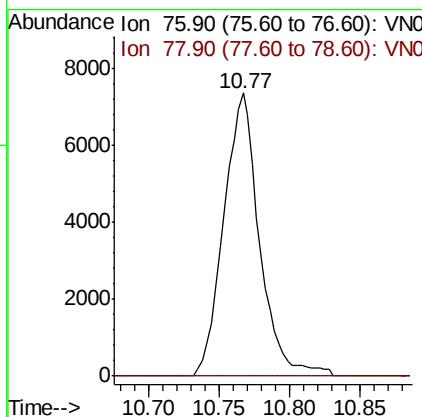
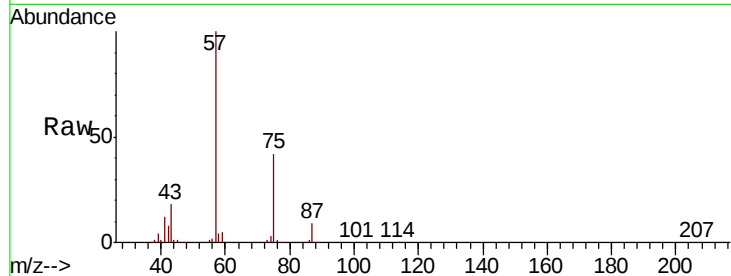




#57
 1,3-Dichloropropane
 Concen: 1.185 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN053825.D
 Acq: 16 Feb 2019 3:21

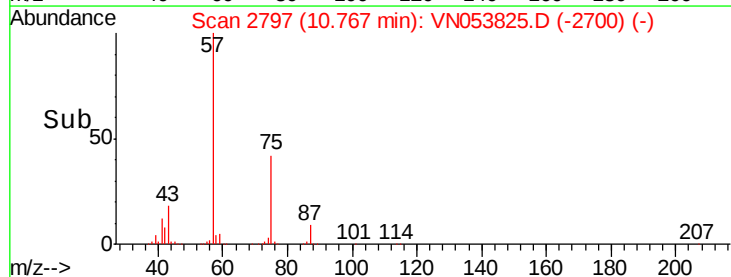
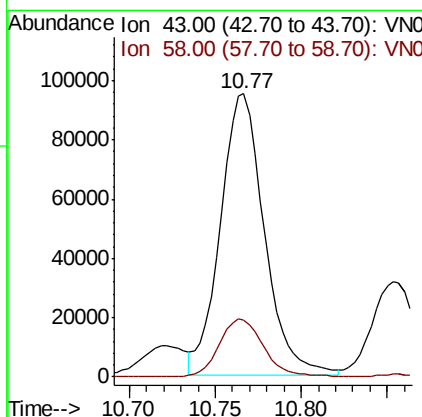
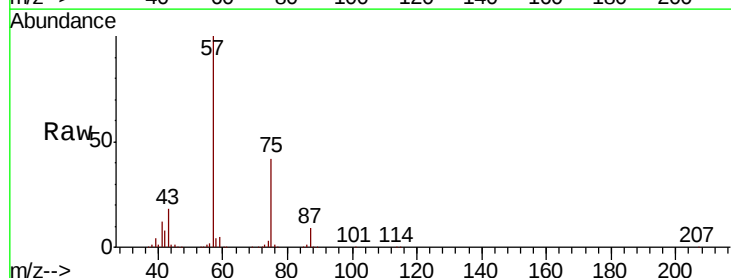
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117124ZHE#10

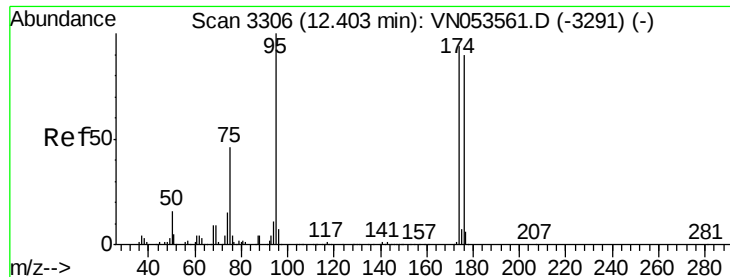
Tgt Ion: 76 Resp: 12995
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 48.365 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN053825.D
 Acq: 16 Feb 2019 3:21

Tgt Ion: 43 Resp: 169327
 Ion Ratio Lower Upper
 43 100
 58 20.9 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: 51.059 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#10

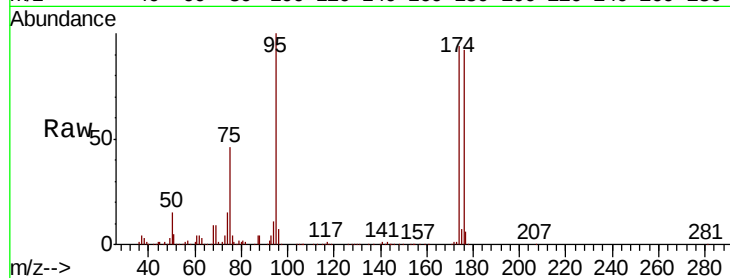
Tgt Ion: 95 Resp: 436094

Ion Ratio Lower Upper

95 100

174 94.7 0.0 183.2

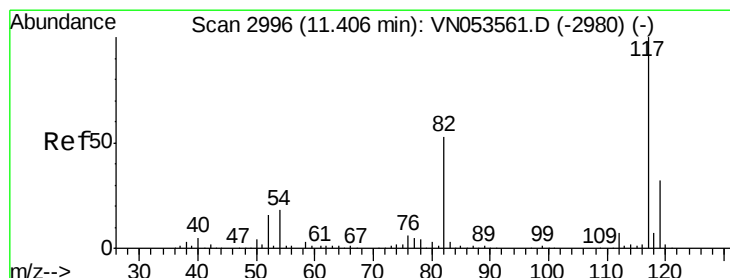
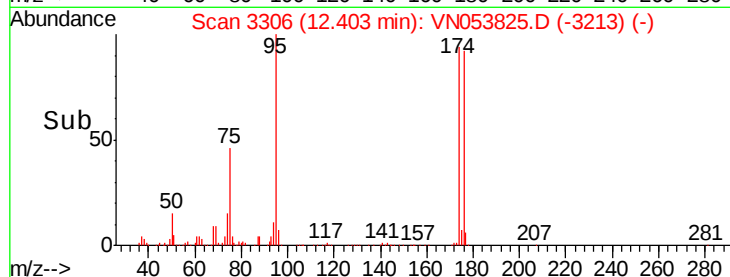
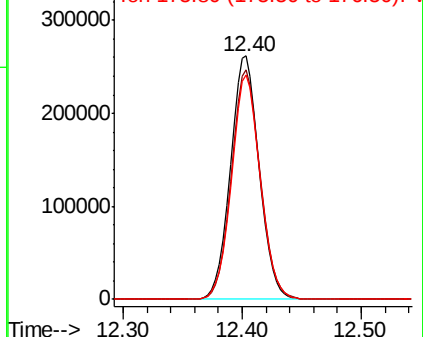
176 92.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053825.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN053825.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN053825.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

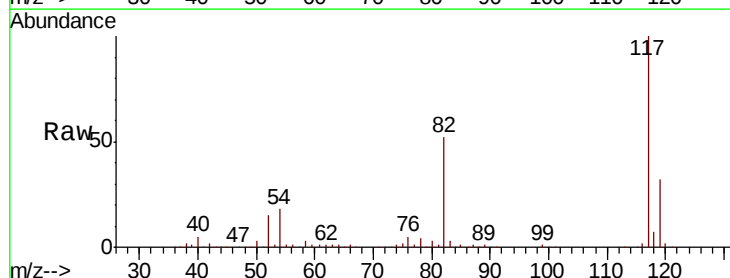
Tgt Ion: 117 Resp: 1018076

Ion Ratio Lower Upper

117 100

82 51.8 42.9 64.3

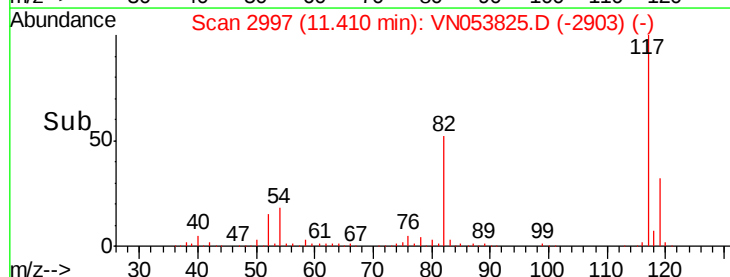
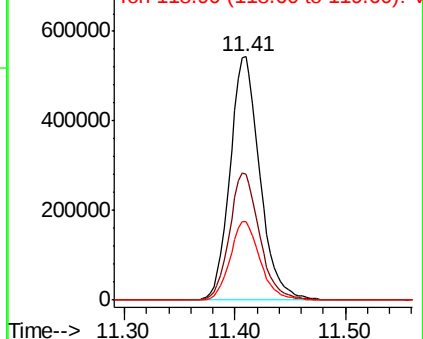
119 32.2 26.0 39.0

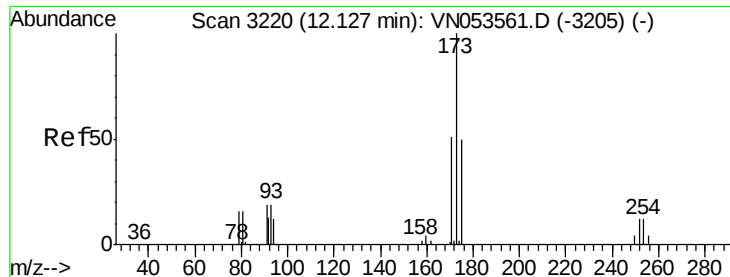


Abundance Ion 116.90 (116.60 to 117.60): VN053825.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053825.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053825.D (-2903) (-)





#71

Bromoform

Concen: 0.493 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#10

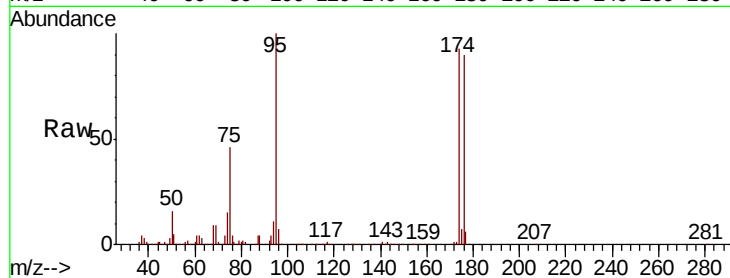
Tgt Ion:173 Resp: 2555

Ion Ratio Lower Upper

173 100

175 997.8 24.6 74.0#

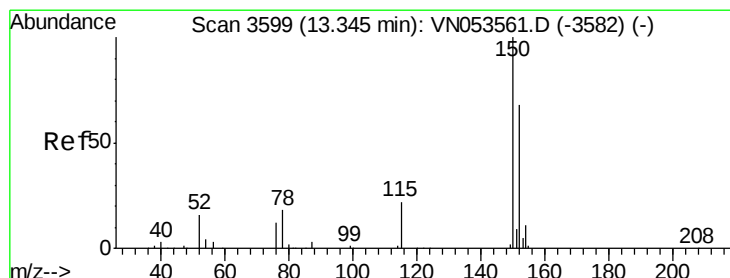
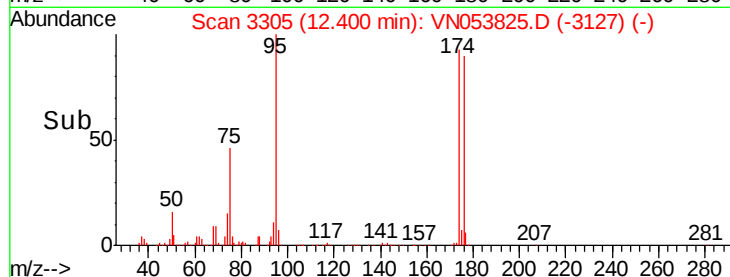
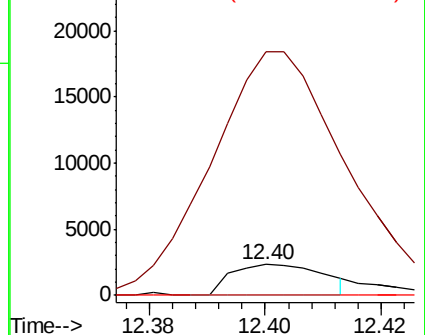
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

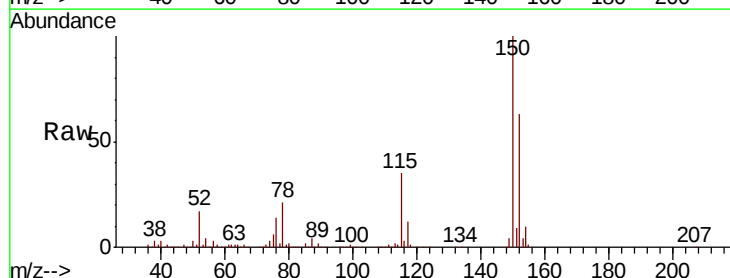
Tgt Ion:152 Resp: 399668

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.4

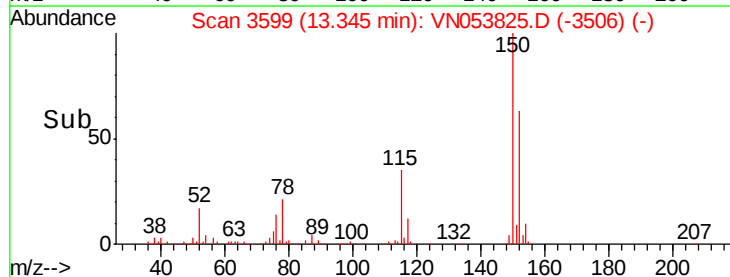
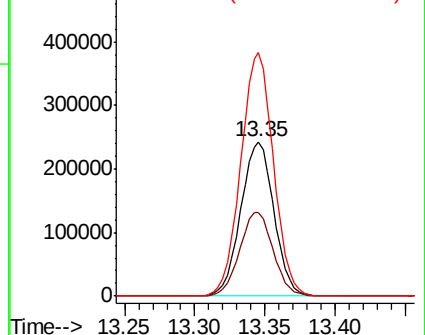
150 155.4 0.0 349.0

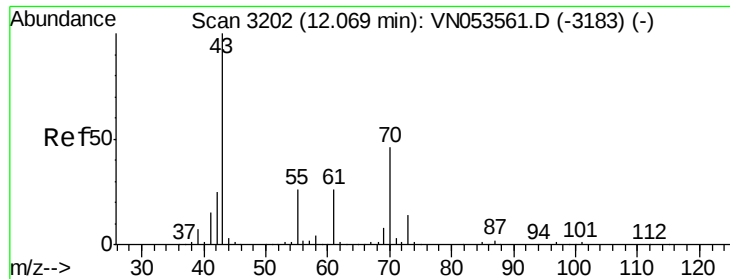


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

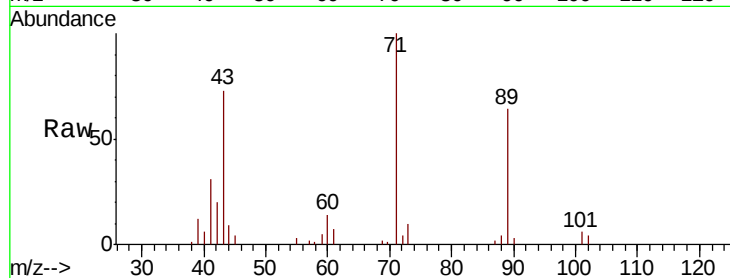




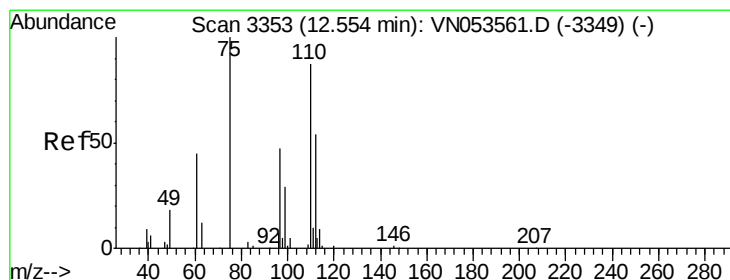
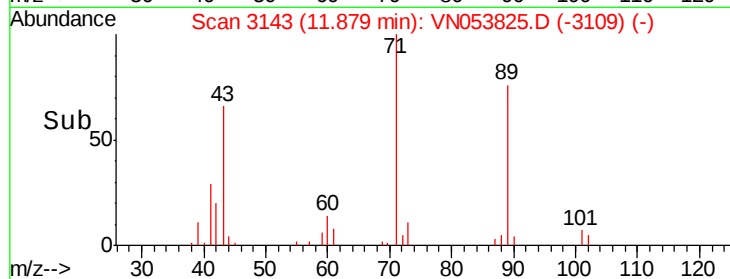
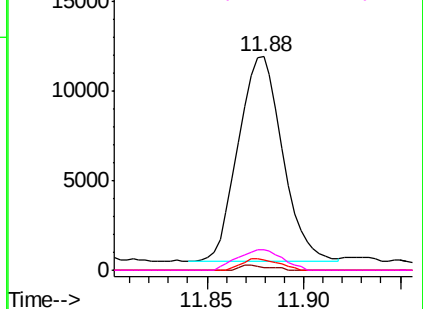
#74
N-ethyl acetate
Concen: 2.687 ug/l
RT: 11.88 min Scan# 3143
Delta R.T. -0.19 min
Lab File: VN053825.D
Acq: 16 Feb 2019 3:21

Instrument :
MSVOA_N
ClientSampleId :
PB117124ZHE#10

Tgt Ion: 43 Resp: 18154
Ion Ratio Lower Upper
43 100
70 1.7 35.4 53.2#
55 4.7 20.9 31.3#
61 10.2 20.5 30.7#

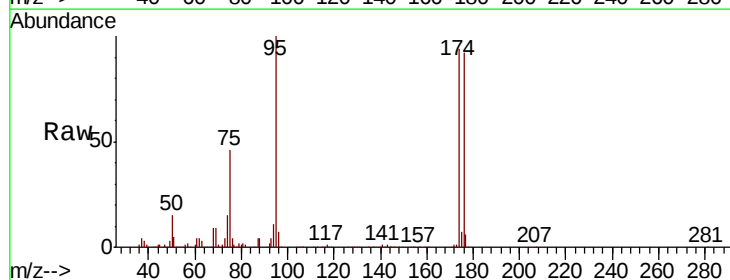


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

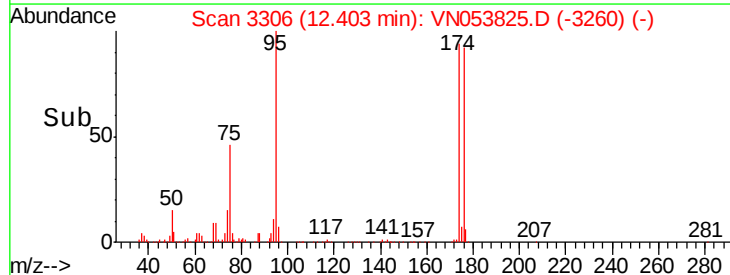
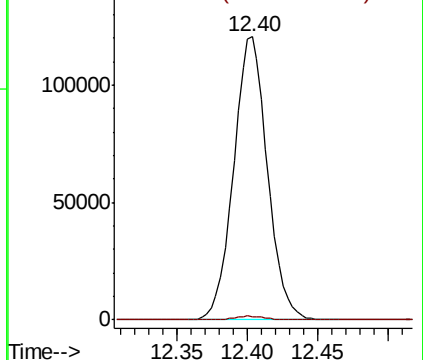


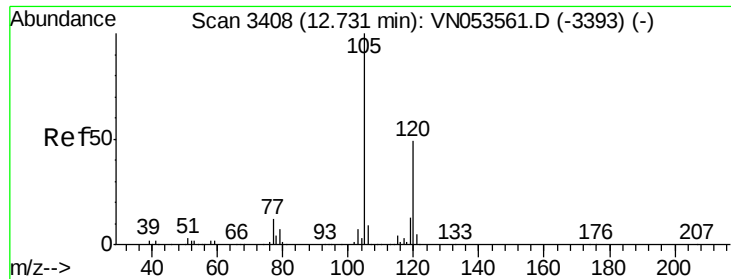
#76
1,2,3-Trichloropropane
Concen: 39.314 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN053825.D
Acq: 16 Feb 2019 3:21

Tgt Ion: 75 Resp: 201818
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.649 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

Instrument :

MSVOA_N

ClientSampleId :

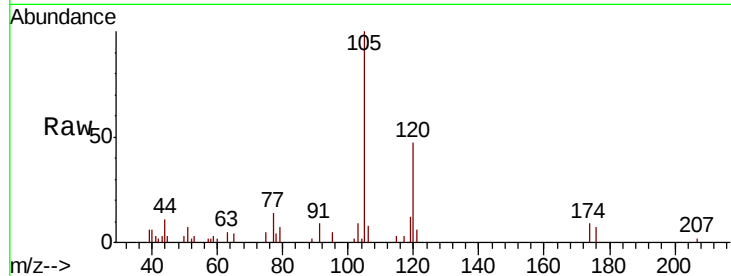
PB117124ZHE#10

Tgt Ion:105 Resp: 15131

Ion Ratio Lower Upper

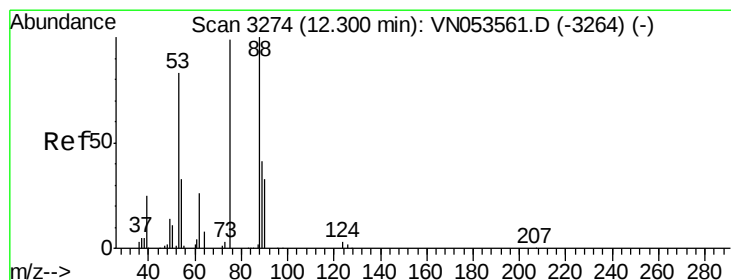
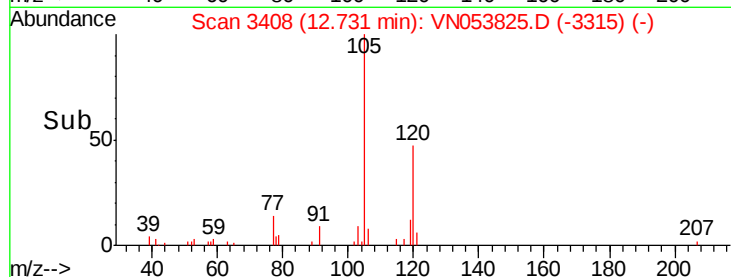
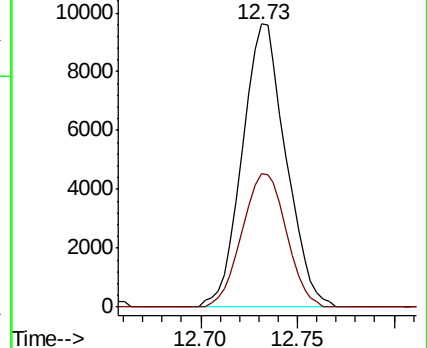
105 100

120 48.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 110.548 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053825.D

Acq: 16 Feb 2019 3:21

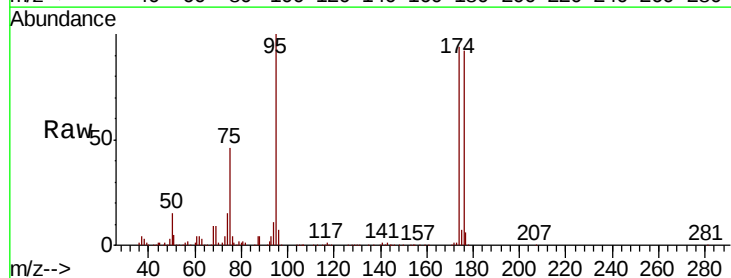
Tgt Ion: 75 Resp: 201818

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.6#

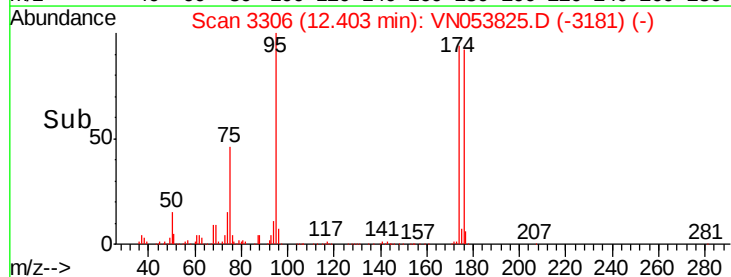
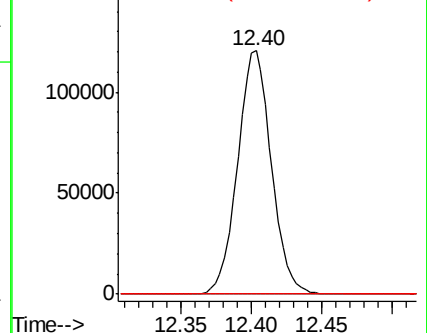
89 0.0 35.6 53.4#

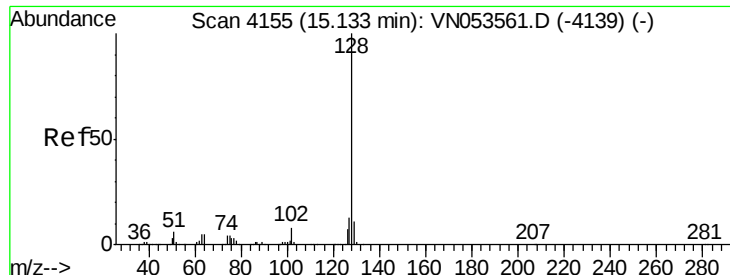


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 1.742 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN053825.D

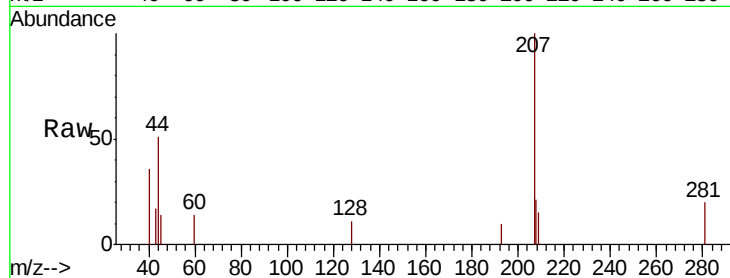
Acq: 16 Feb 2019 3:21

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#10



Tgt Ion:	128	Resp:	100
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

