

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053965.D
 Acq On : 26 Feb 2019 19:45
 Operator : JC/SP
 Sample : PB117375ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117375ZHE#08

Quant Time: Feb 27 02:30:39 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	592279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1054504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1026555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	366481	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	376361	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	7.59	113	342528	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.09	98	1351084	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.40	95	431972	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	

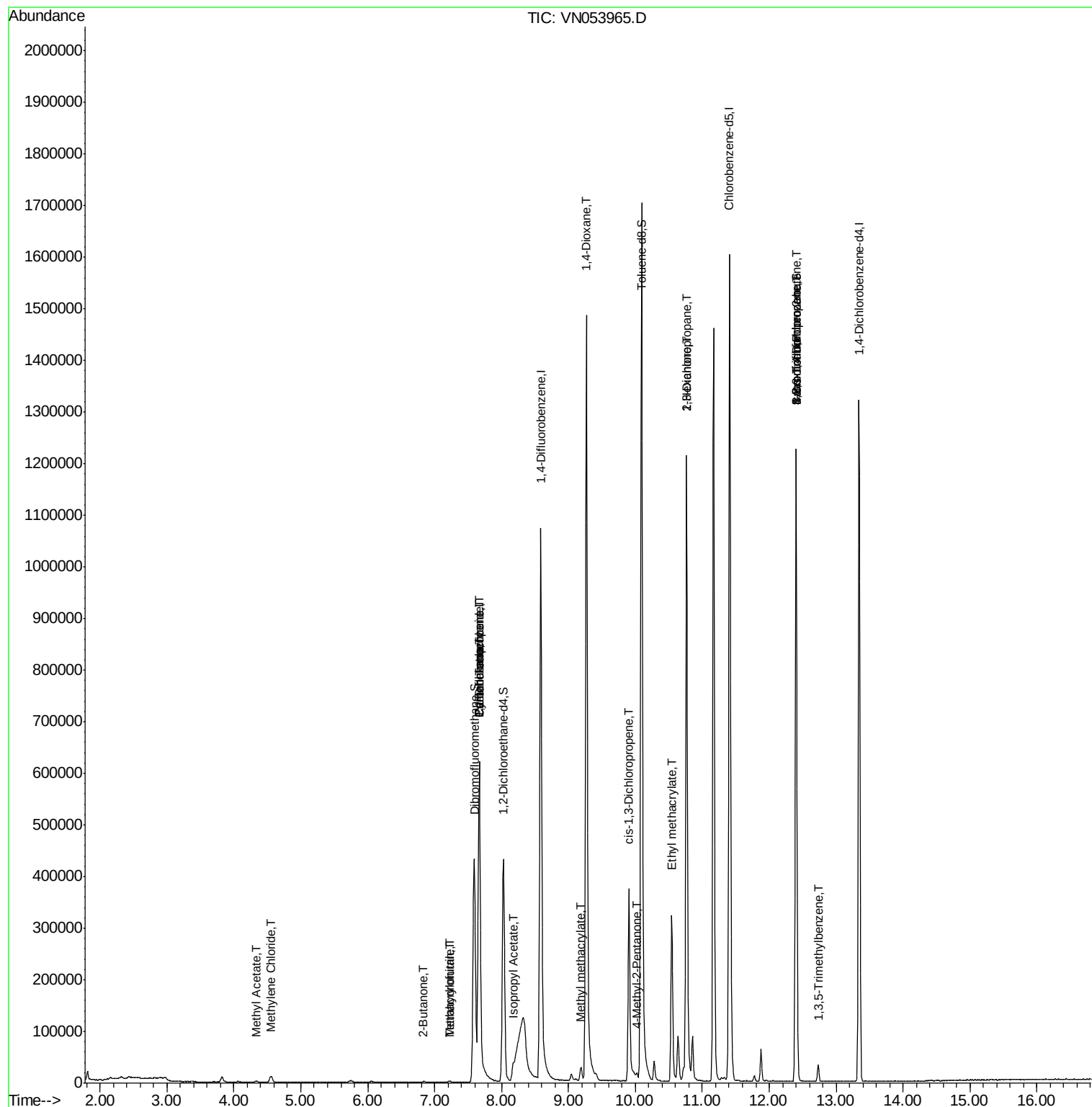
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	17380	Below Cal		95
18) Methyl Acetate	4.33	43	3086	0.636	ug/l #	76
20) Methylene Chloride	4.55	84	8690	1.265	ug/l	92
25) 2-Butanone	6.83	43	1382	0.507	ug/l #	89
29) Tetrahydrofuran	7.23	42	1849	1.019	ug/l #	55
31) Cyclohexane	7.67	56	10611	0.550	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39426	4.020	ug/l #	47
38) Carbon Tetrachloride	7.67	117	50774	4.978	ug/l #	17
41) Methacrylonitrile	7.22	41	979	0.217	ug/l #	100
43) Isopropyl Acetate	8.17	43	30721	2.598	ug/l #	92
48) Methyl methacrylate	9.18	41	10023	1.843	ug/l #	12
49) 1,4-Dioxane	9.27	88	105	1.426	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	10107	1.664	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	71096	6.233	ug/l #	69
56) Ethyl methacrylate	10.54	69	1736	2.147	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	13051	1.166	ug/l #	43
59) 2-Hexanone	10.76	43	189771	48.028	ug/l #	48
71) Bromoform	12.40	173	3471	0.639	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	212335	36.118	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16418	0.703	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	212335	114.154	ug/l #	15

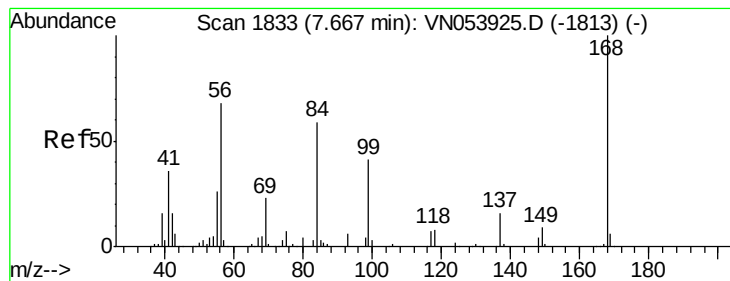
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053965.D

Acq: 26 Feb 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

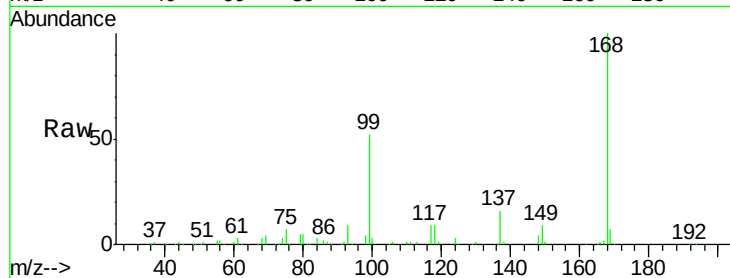
PB117375ZHE#08

Tot Ion:168 Resp: 592279

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

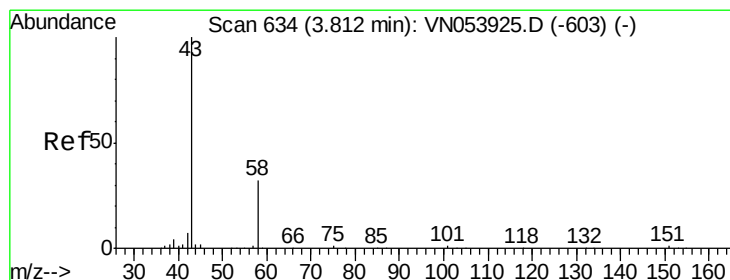
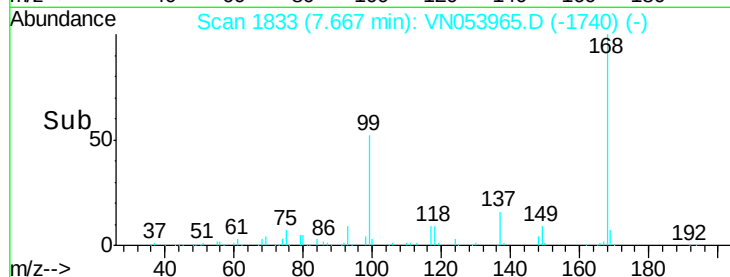
150000

100000

50000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053965.D

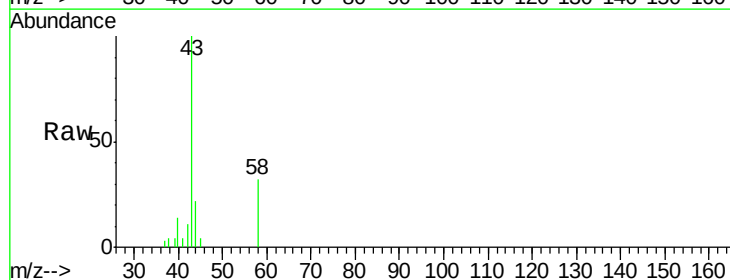
Acq: 26 Feb 2019 19:45

Tgt Ion: 43 Resp: 17380

Ion Ratio Lower Upper

43 100

58 31.7 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

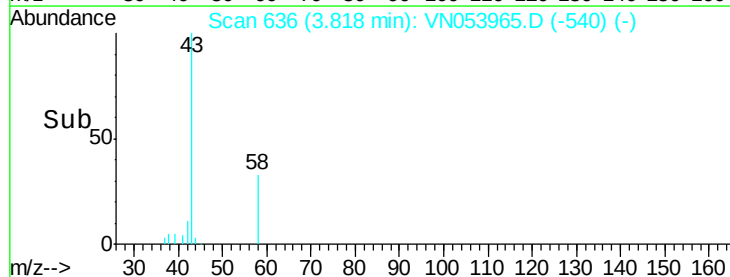
6000

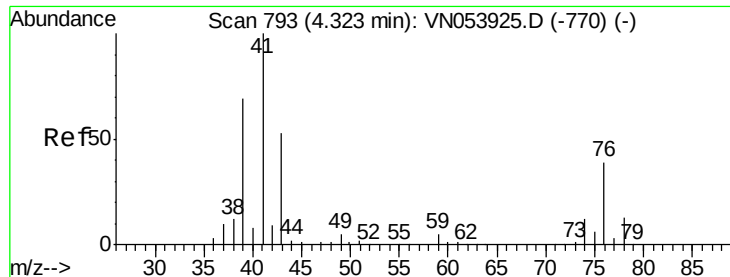
4000

2000

0

Time-->

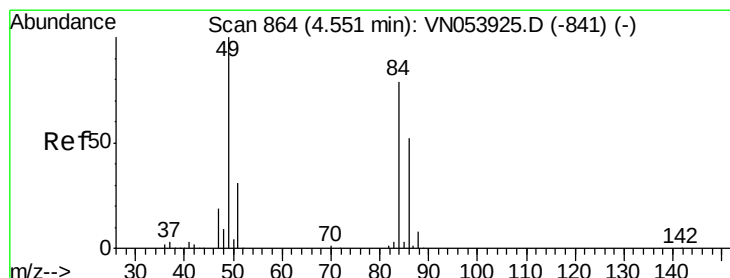
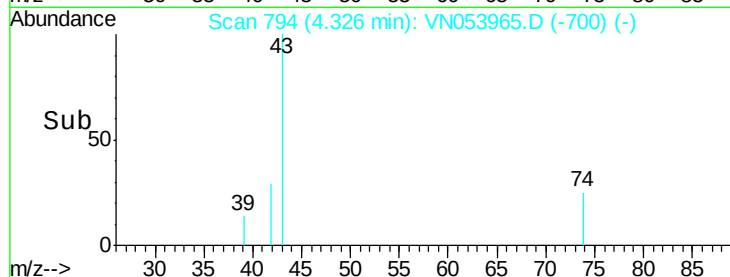
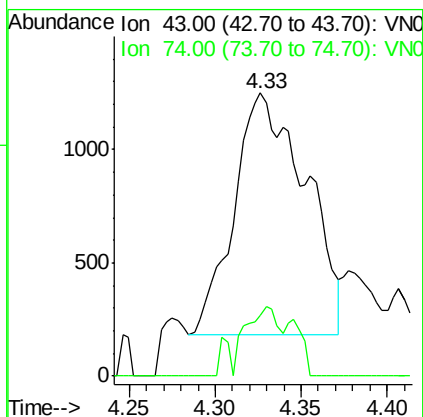
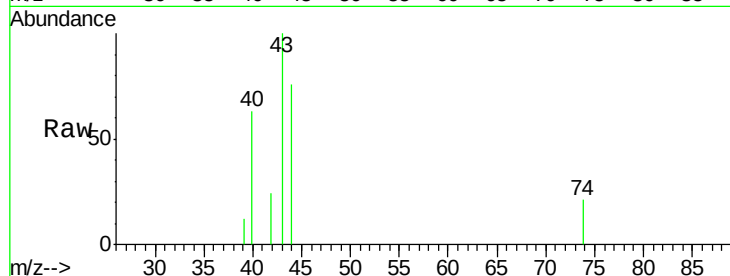




#18
Methyl Acetate
Concen: 0.636 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053965.D
Acq: 26 Feb 2019 19:45

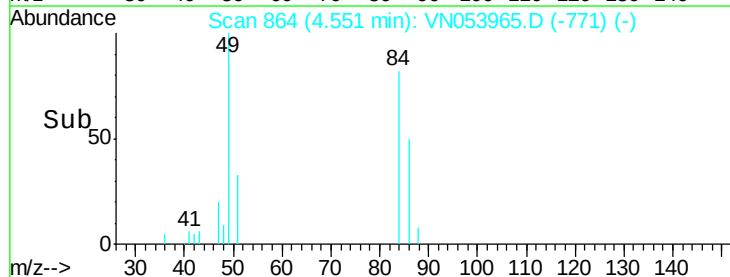
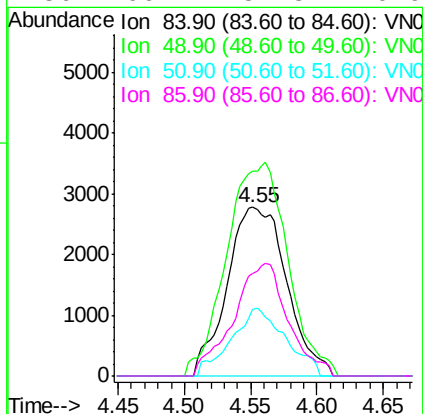
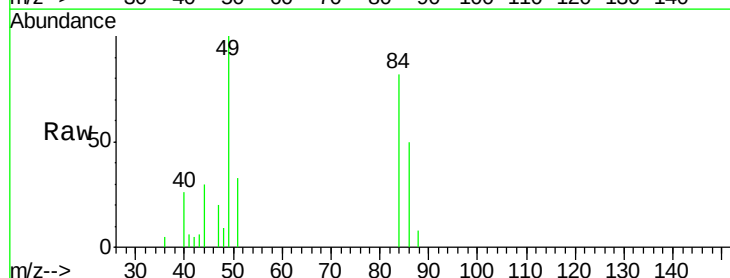
Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#08

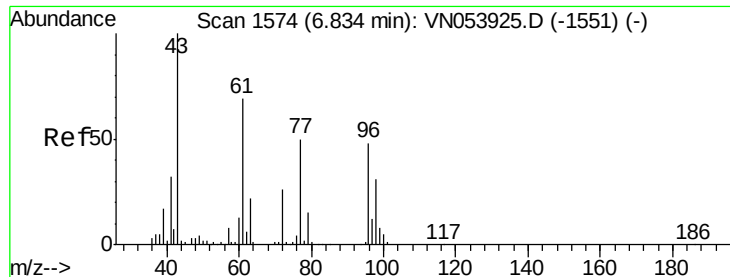
Tot Ion: 43 Resp: 3086
Ion Ratio Lower Upper
43 100
74 13.5 20.5 30.7#



#20
Methylene Chloride
Concen: 1.265 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053965.D
Acq: 26 Feb 2019 19:45

Tgt Ion: 84 Resp: 8690
Ion Ratio Lower Upper
84 100
49 121.6 89.7 134.5
51 39.8 27.8 41.8
86 60.4 51.3 76.9





#25

2-Butanone

Concen: 0.507 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

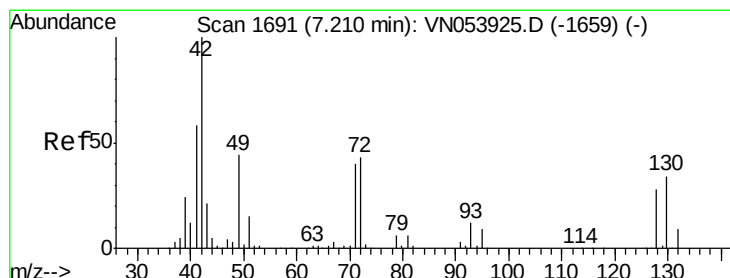
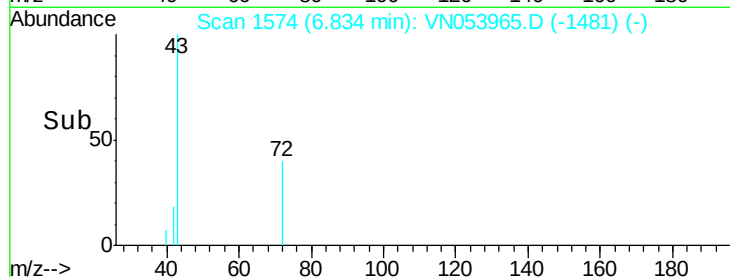
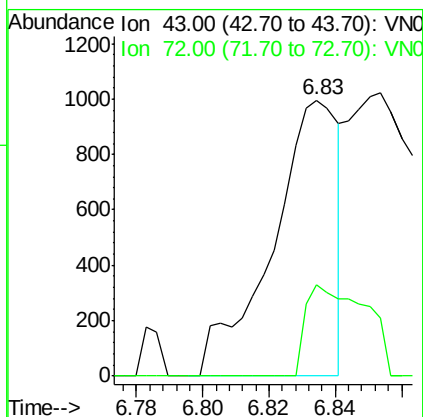
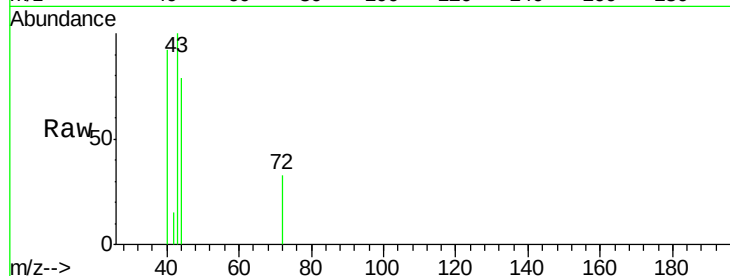
PB117375ZHE#08

Tot Ion: 43 Resp: 1382

Ion Ratio Lower Upper

43 100

72 33.2 22.1 33.1#



#29

Tetrahydrofuran

Concen: 1.019 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

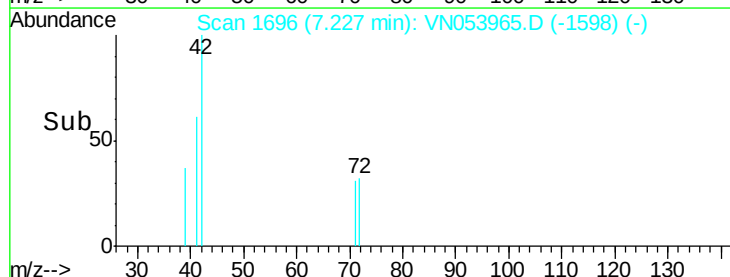
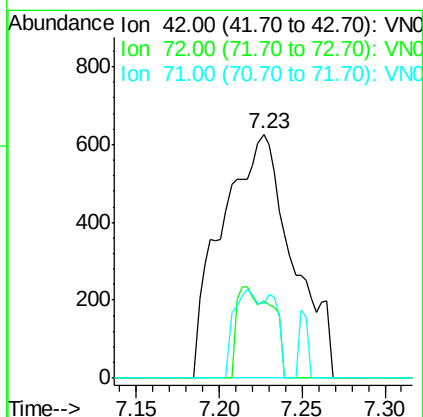
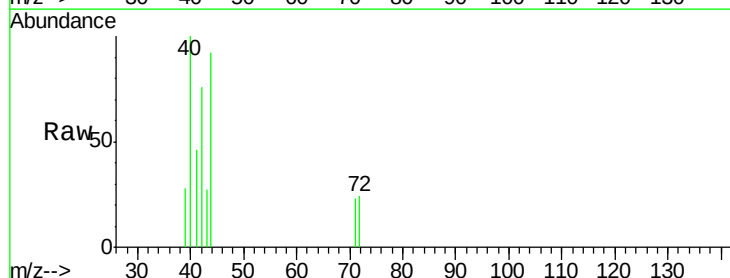
Tgt Ion: 42 Resp: 1849

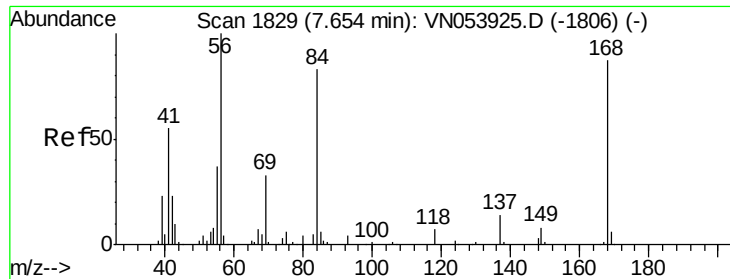
Ion Ratio Lower Upper

42 100

72 18.8 36.9 55.3#

71 12.5 34.6 52.0#





#31

Cyclohexane

Concen: 0.550 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#08

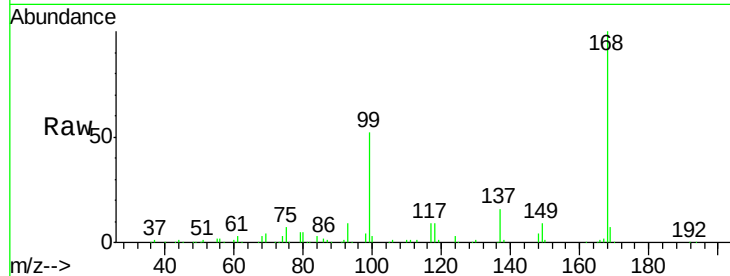
Tot Ion: 56 Resp: 10611

Ion Ratio Lower Upper

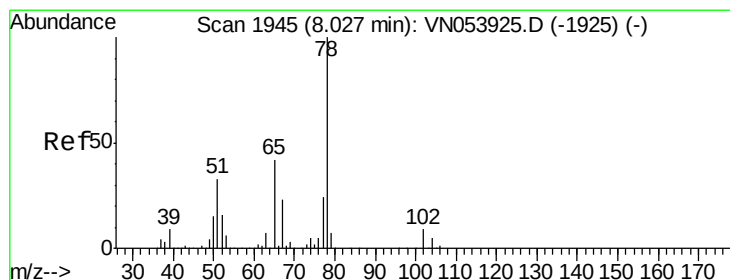
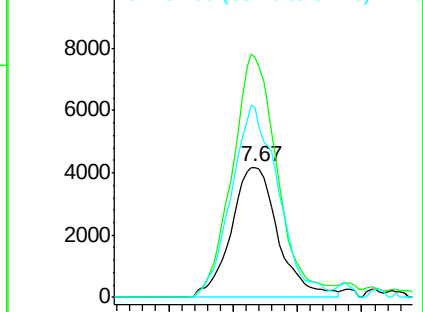
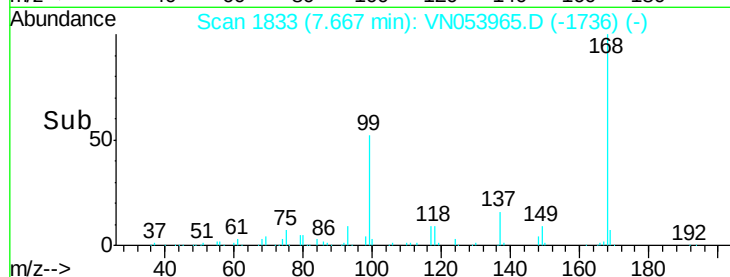
56 100

69 184.3 26.0 39.0#

84 145.9 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VN053965.D (-1736) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.209 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053965.D

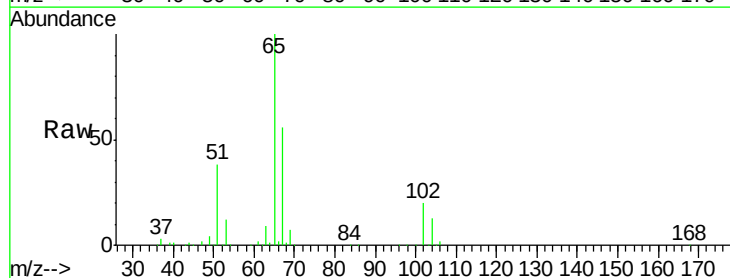
Acq: 26 Feb 2019 19:45

Tgt Ion: 65 Resp: 376361

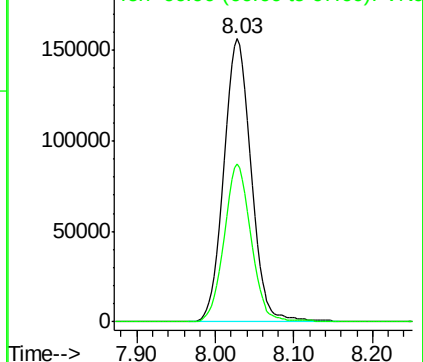
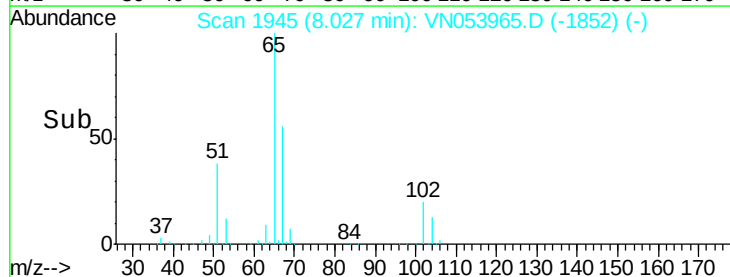
Ion Ratio Lower Upper

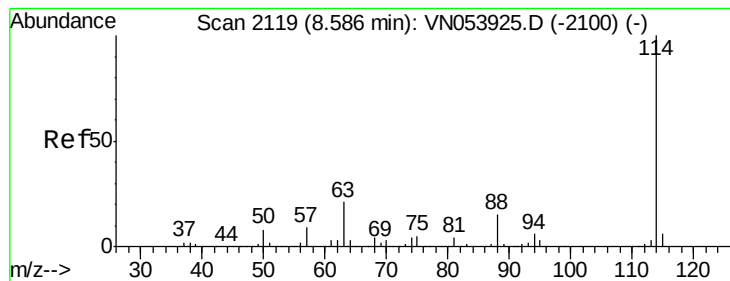
65 100

67 54.6 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN053965.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

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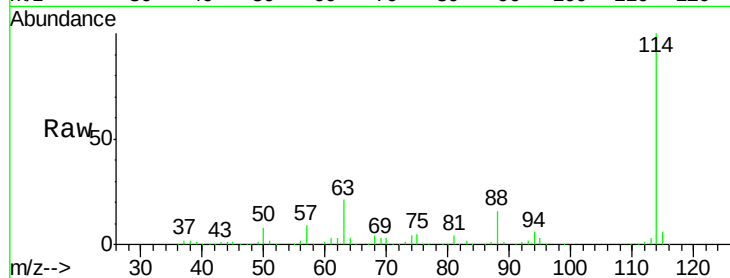
Tot Ion:114 Resp: 1054504

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

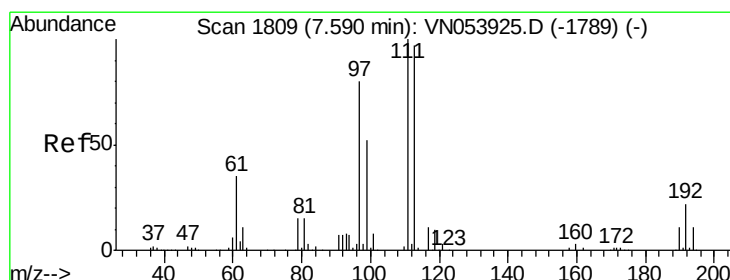
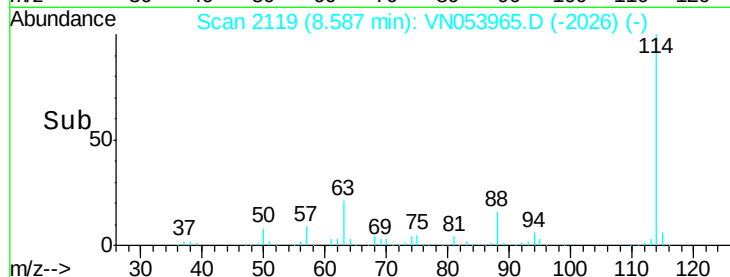
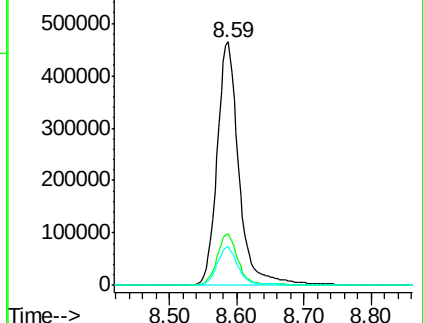
88 15.8 0.0 30.4



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: 50.231 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

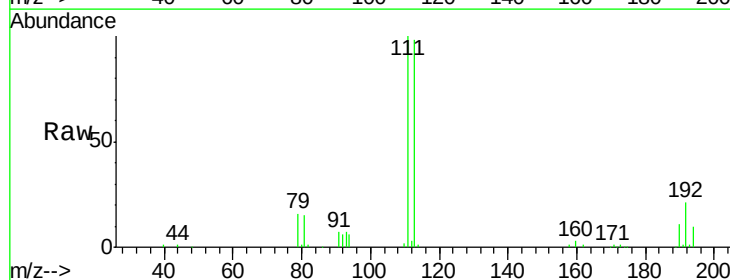
Tgt Ion:113 Resp: 342528

Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

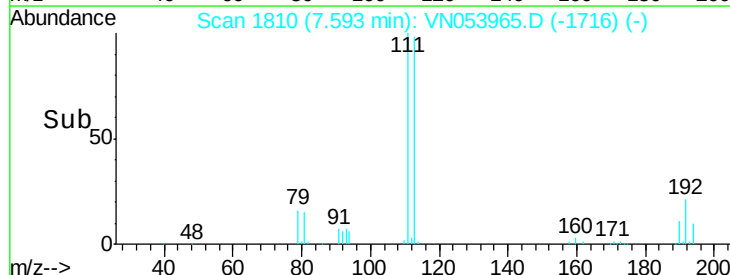
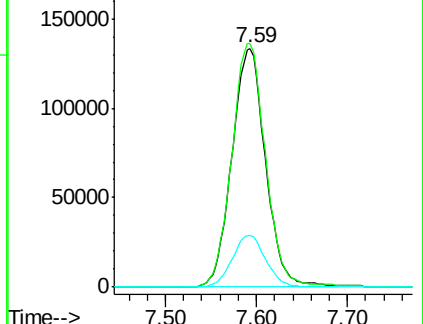
192 21.7 18.8 28.2

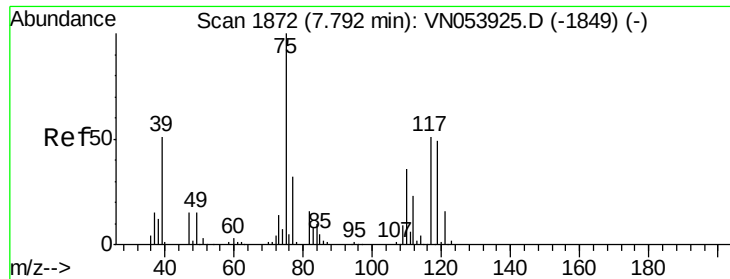


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

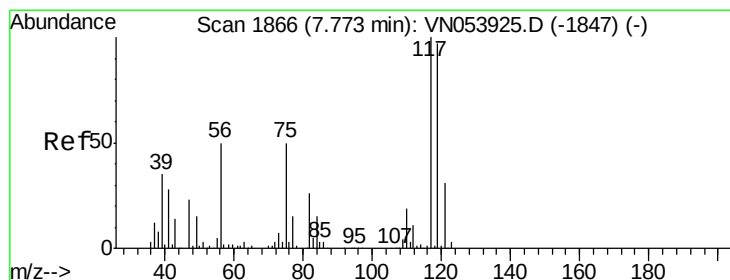
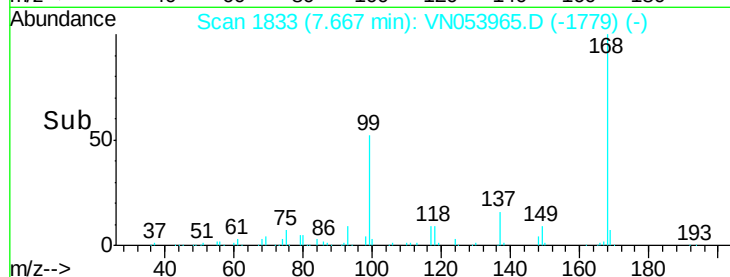
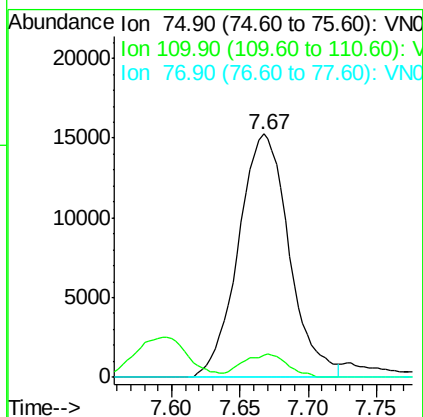
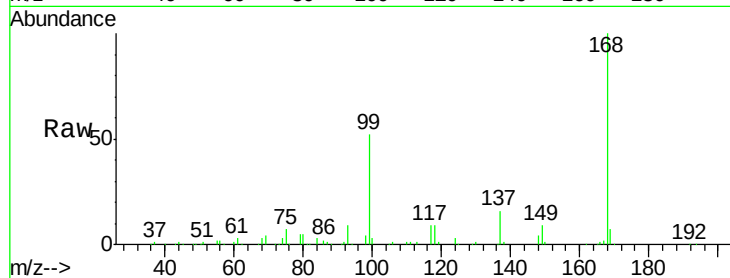




#36
 1,1-Dichloropropene
 Concen: 4.020 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053965.D
 Acq: 26 Feb 2019 19:45

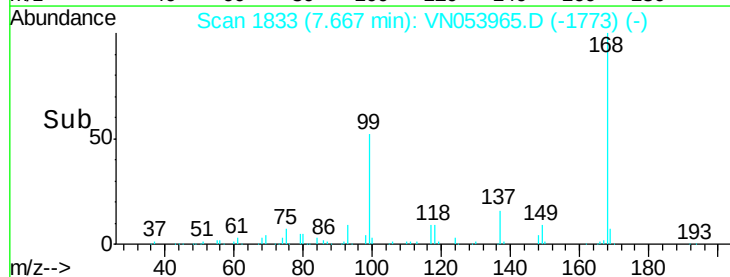
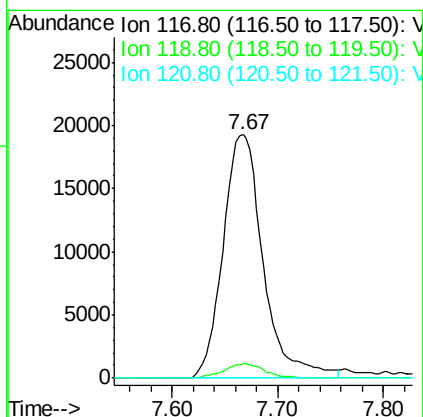
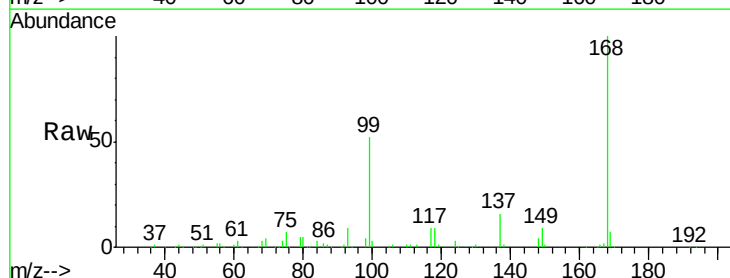
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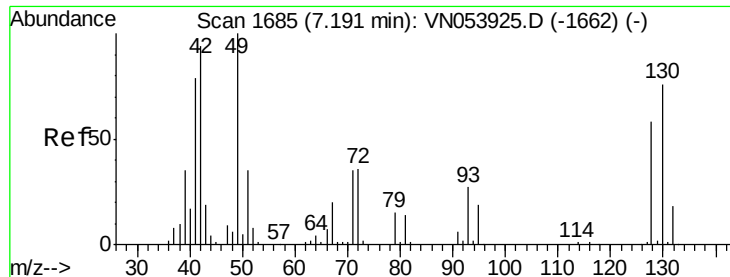
Tot Ion: 75 Resp: 39426
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.0 57.0#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 4.978 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053965.D
 Acq: 26 Feb 2019 19:45

Tgt Ion: 117 Resp: 50774
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.2 114.2#
 121 0.0 24.6 36.8#

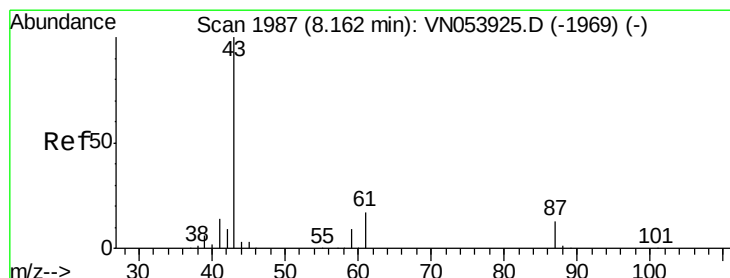
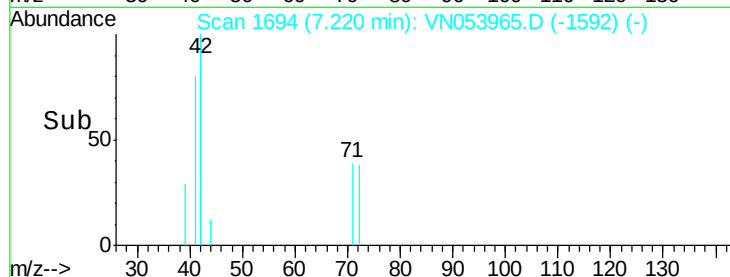
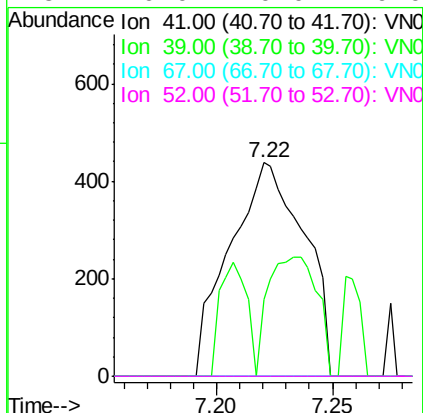
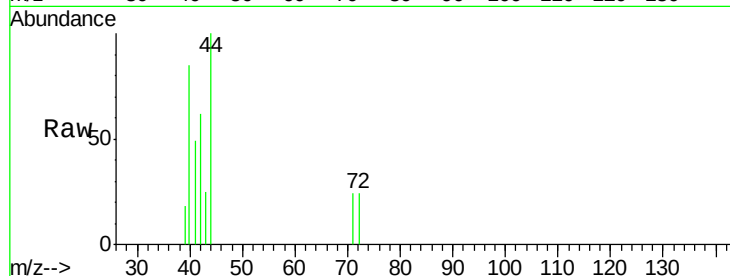




#41
Methacrylonitrile
Concen: 0.217 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.03 min
Lab File: VN053965.D
Acq: 26 Feb 2019 19:45

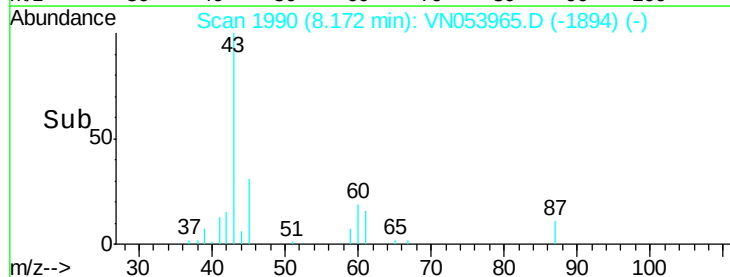
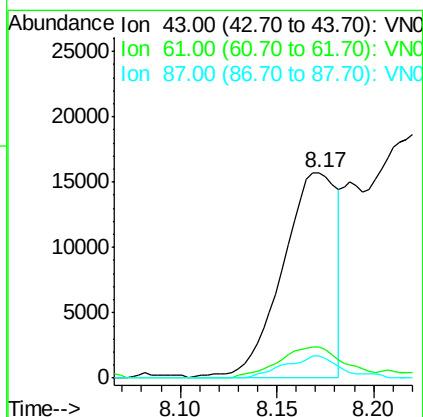
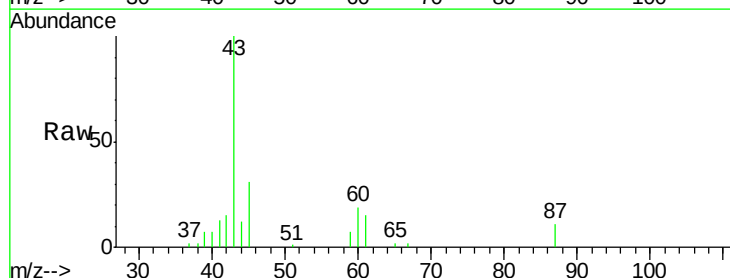
Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#08

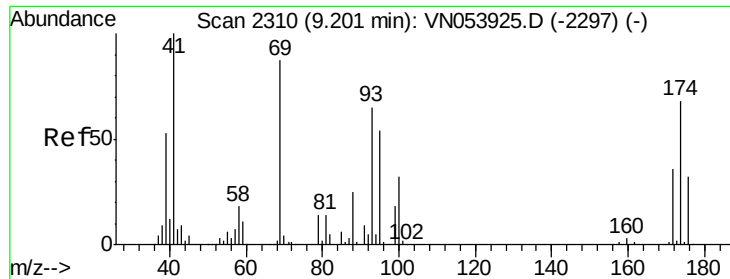
Tot Ion:	41	Resp:	979
Ion	Ratio	Lower	Upper
41	100		
39	19.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 2.598 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VN053965.D
Acq: 26 Feb 2019 19:45

Tgt Ion:	43	Resp:	30721
Ion	Ratio	Lower	Upper
43	100		
61	18.0	17.4	26.0
87	11.0	11.5	17.3#

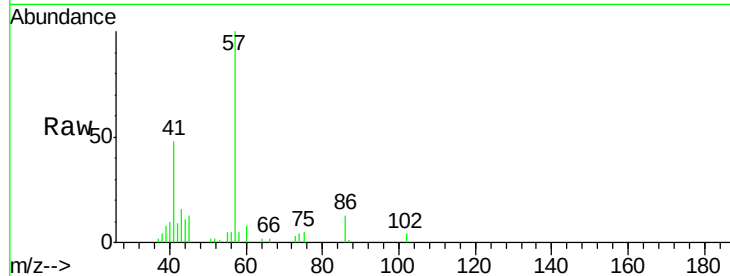




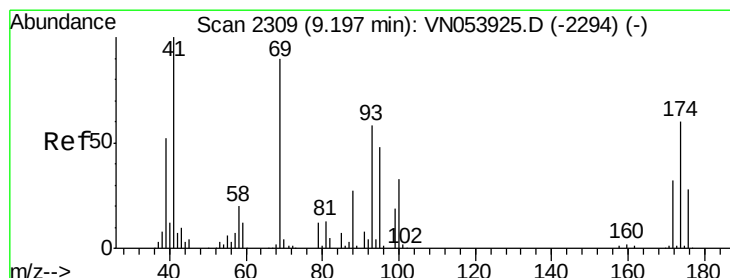
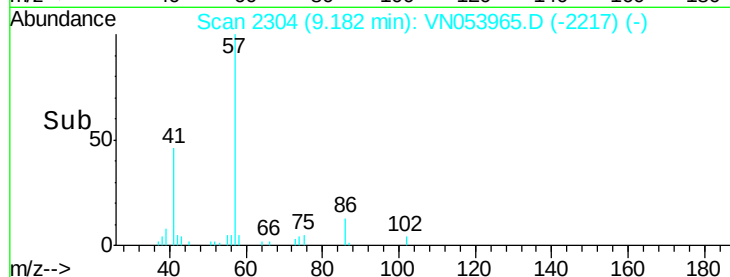
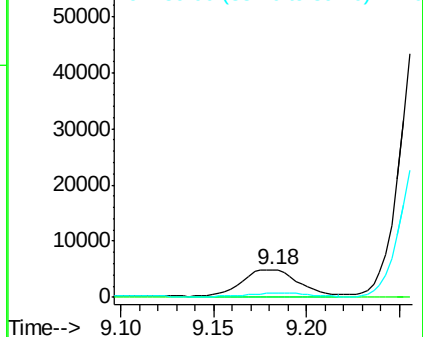
#48
Methvl methacrylate
Concen: 1.843 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053965.D
Acq: 26 Feb 2019 19:45

Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#08

Tot Ion: 41 Resp: 10023
Ion Ratio Lower Upper
41 100
69 0.0 74.8 112.2#
39 0.0 39.0 58.6#

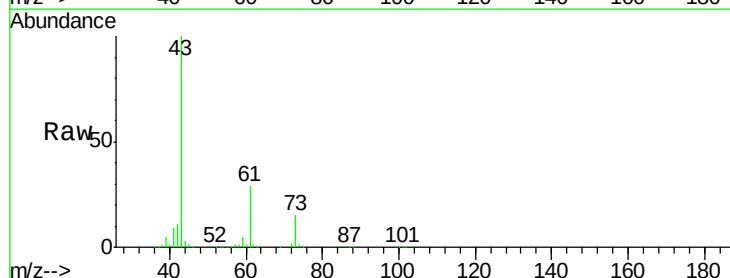


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

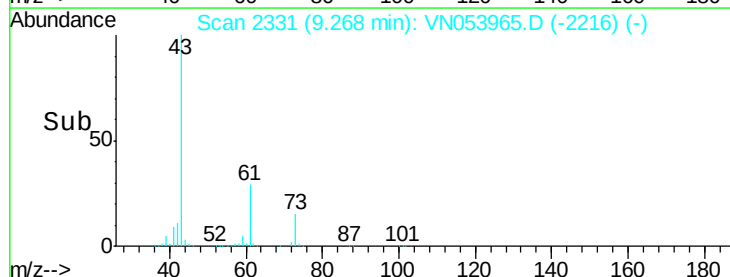
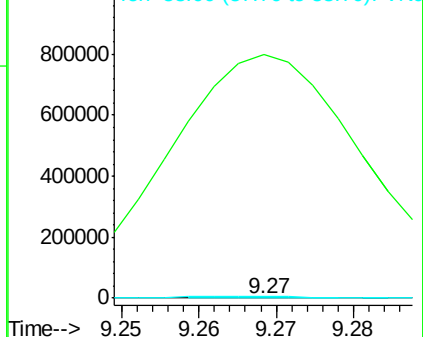


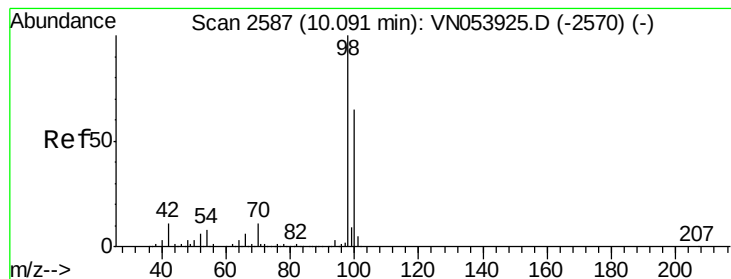
#49
1,4-Dioxane
Concen: 1.426 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053965.D
Acq: 26 Feb 2019 19:45

Tgt Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 1535559.0 21.2 31.8#
58 8349.5 54.2 81.2#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 53.225 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

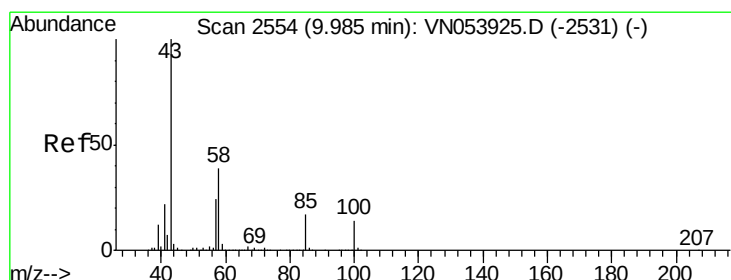
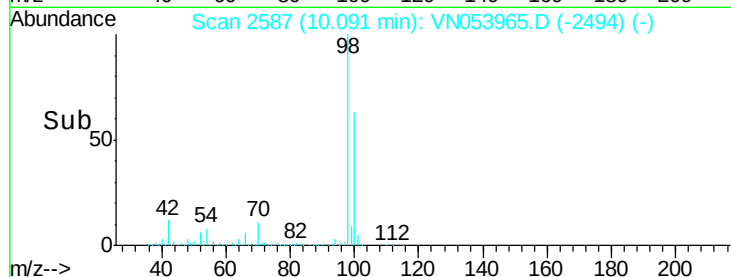
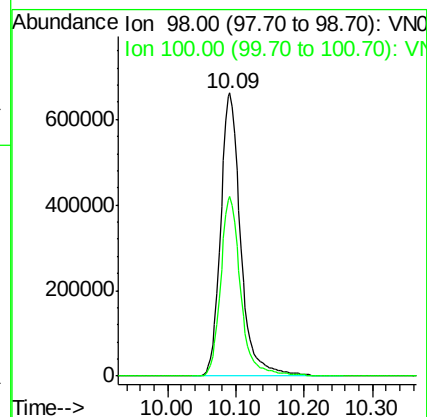
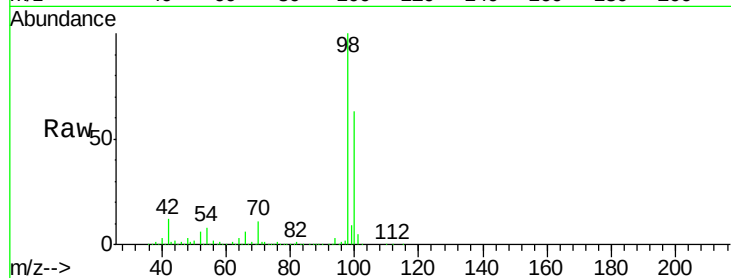
PB117375ZHE#08

Tot Ion: 98 Resp: 1351084

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 1.664 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053965.D

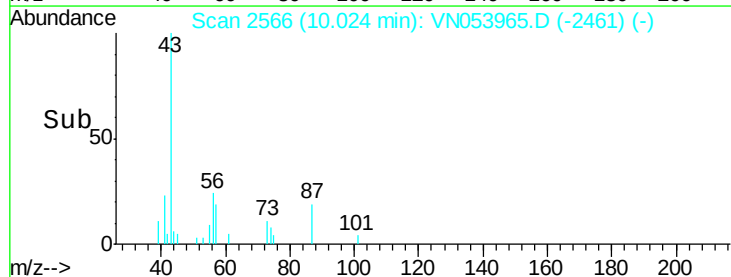
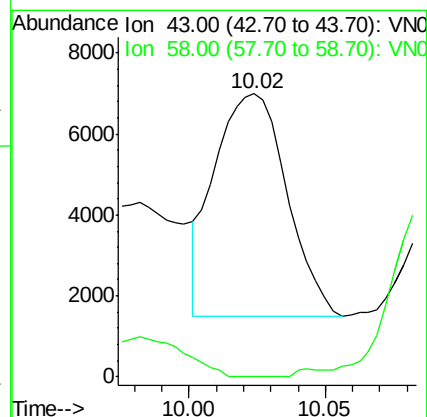
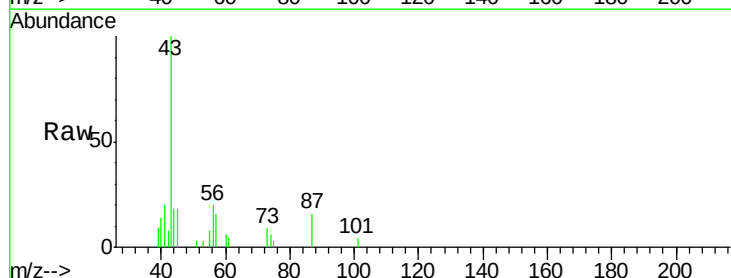
Acq: 26 Feb 2019 19:45

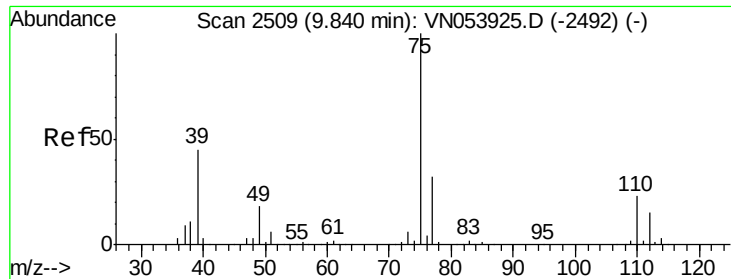
Tgt Ion: 43 Resp: 10107

Ion Ratio Lower Upper

43 100

58 0.0 32.7 49.1#





#54

cis-1,3-Dichloropropene

Concen: 6.233 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#08

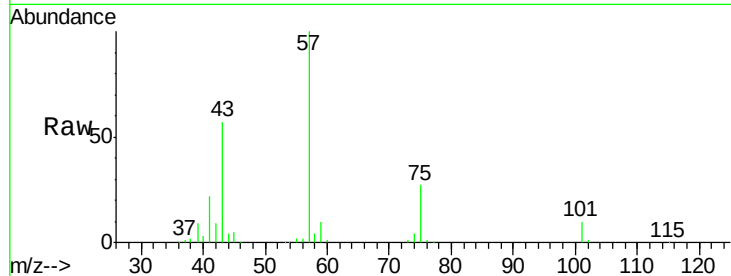
Tot Ion: 75 Resp: 71096

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

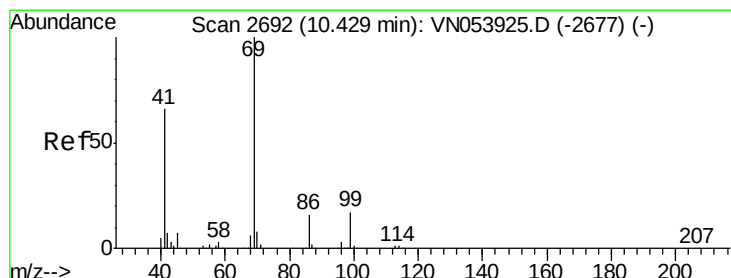
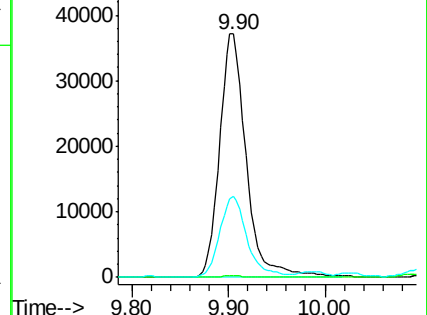
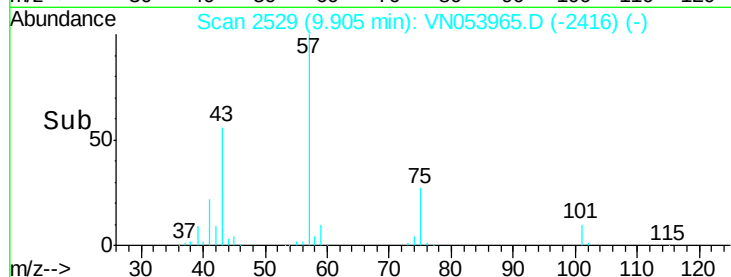
39 33.1 31.4 47.0



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



#56

Ethyl methacrylate

Concen: 2.147 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

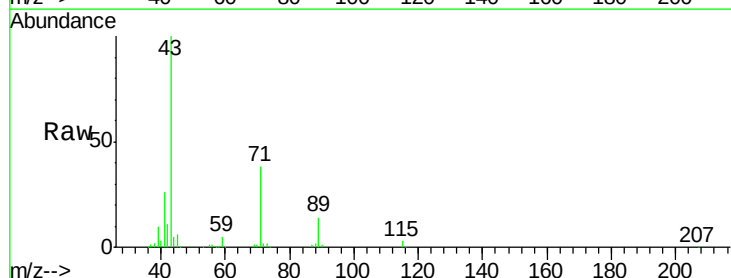
Tgt Ion: 69 Resp: 1736

Ion Ratio Lower Upper

69 100

41 3744.5 47.5 71.3#

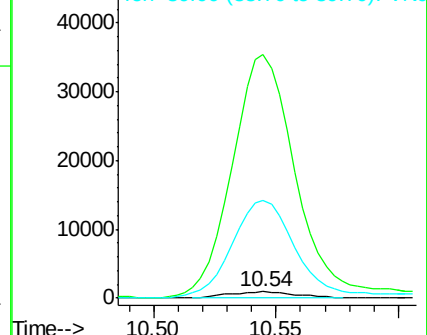
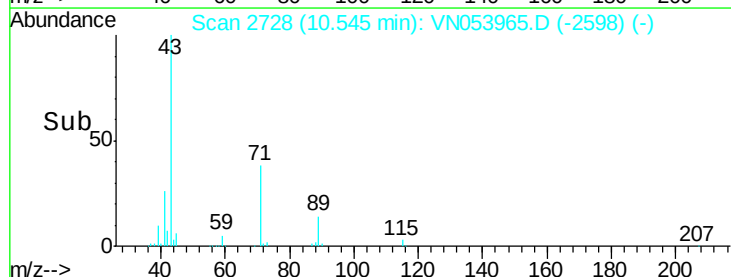
39 1492.9 23.4 35.0#

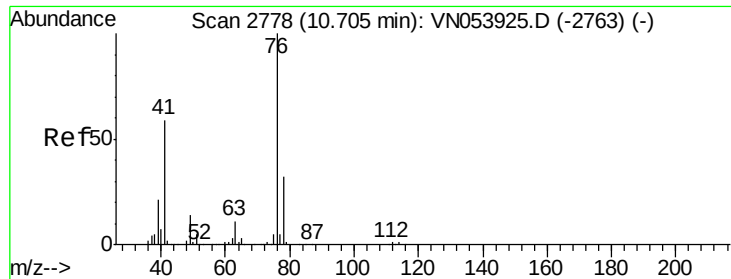


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.166 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

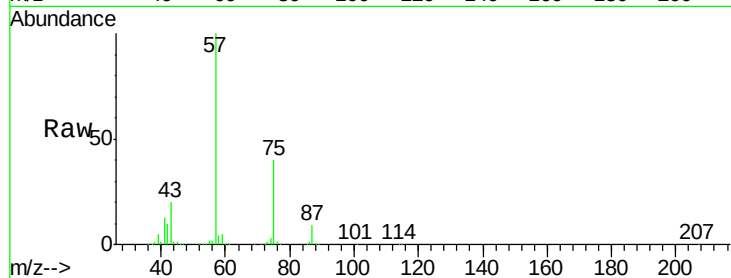
PB117375ZHE#08

Tot Ion: 76 Resp: 13051

Ion Ratio Lower Upper

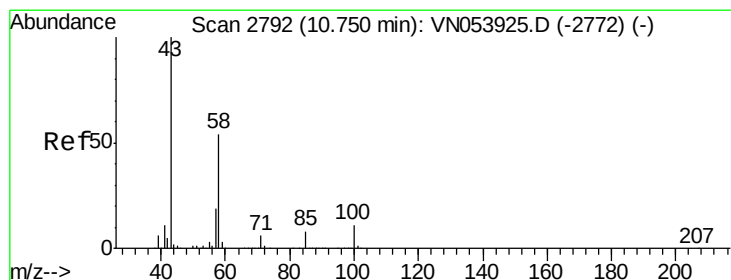
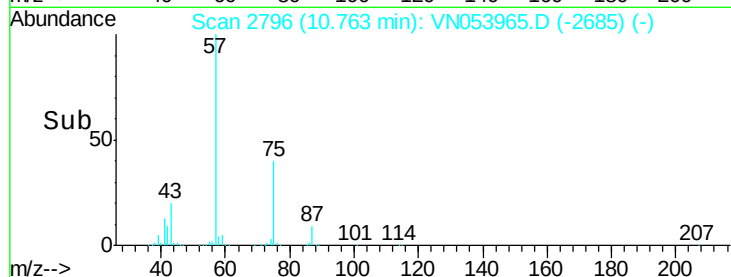
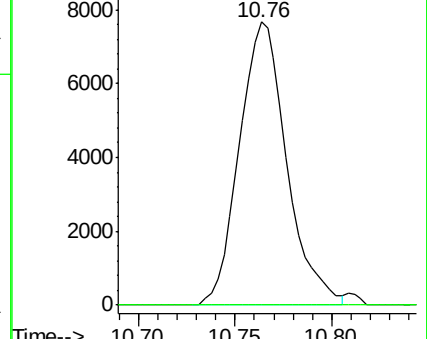
76 100

78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 48.028 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN053965.D

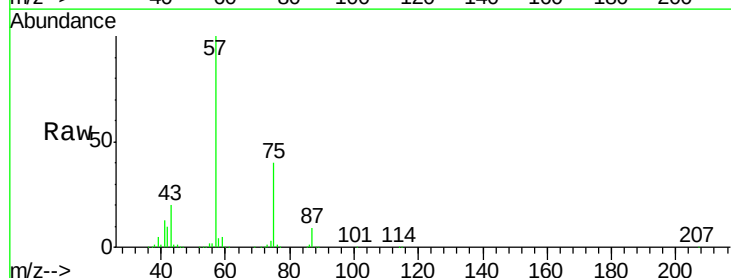
Acq: 26 Feb 2019 19:45

Tgt Ion: 43 Resp: 189771

Ion Ratio Lower Upper

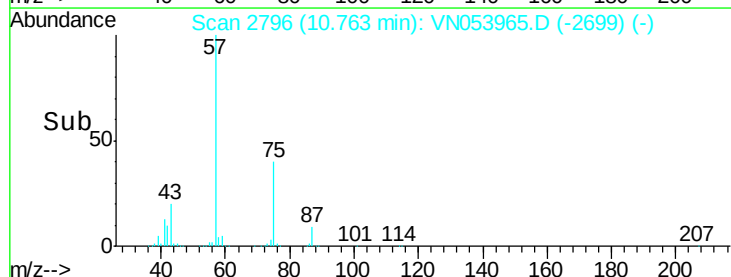
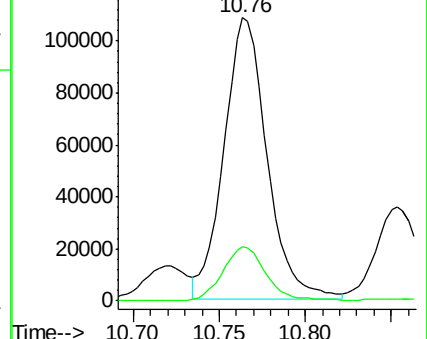
43 100

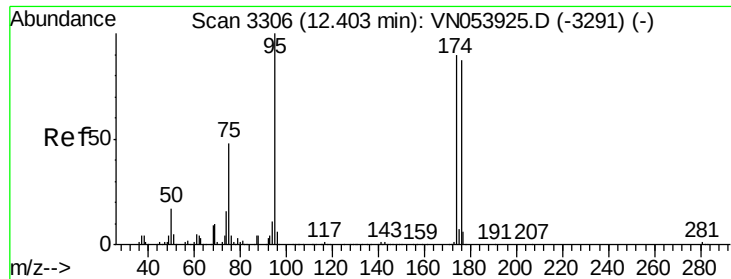
58 19.4 29.1 87.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

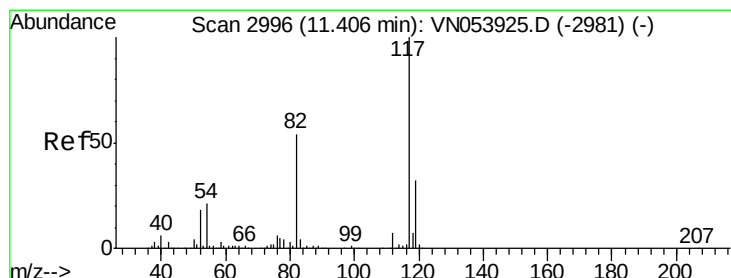
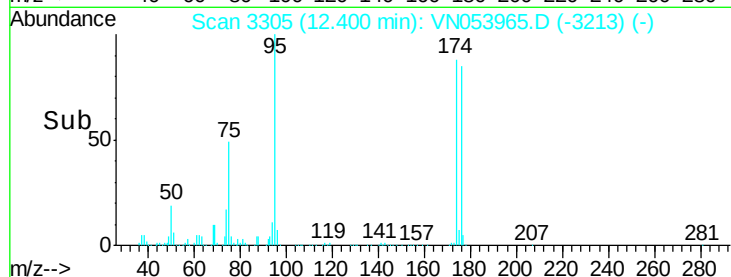
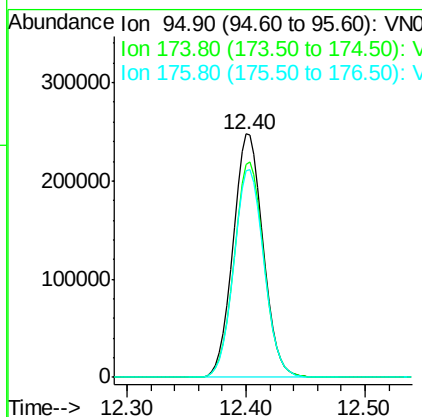
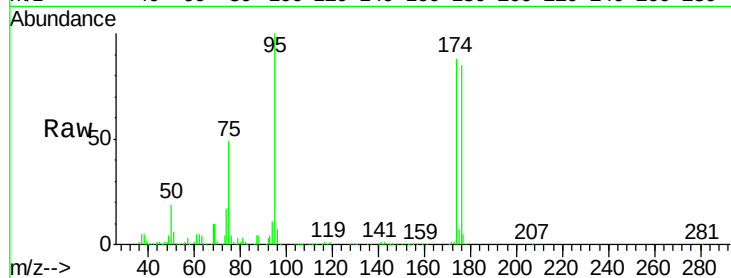




#62
4-Bromofluorobenzene
Concen: 51.077 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053965.D
Acq: 26 Feb 2019 19:45

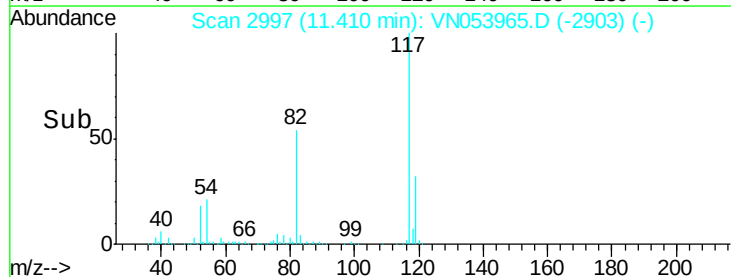
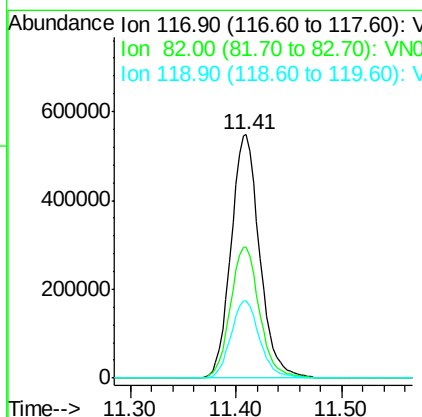
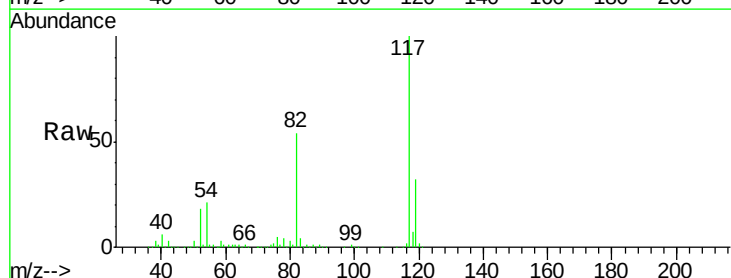
Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#08

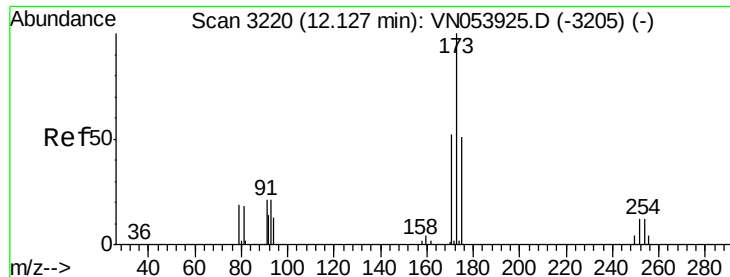
Tot Ion: 95 Resp: 431972
Ion Ratio Lower Upper
95 100
174 88.2 0.0 188.8
176 85.9 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053965.D
Acq: 26 Feb 2019 19:45

Tgt Ion: 117 Resp: 1026555
Ion Ratio Lower Upper
117 100
82 53.8 41.4 62.2
119 31.7 25.3 37.9





#71

Bromoform

Concen: 0.639 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#08

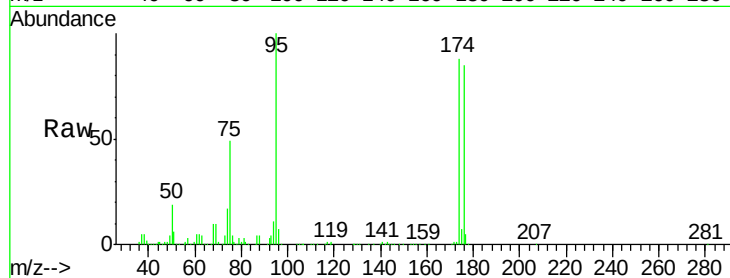
Tot Ion:173 Resp: 3471

Ion Ratio Lower Upper

173 100

175 697.0 24.3 72.8#

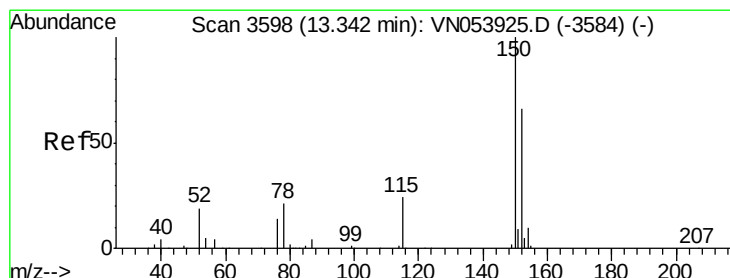
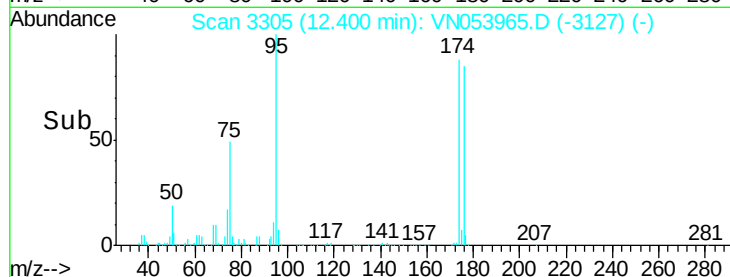
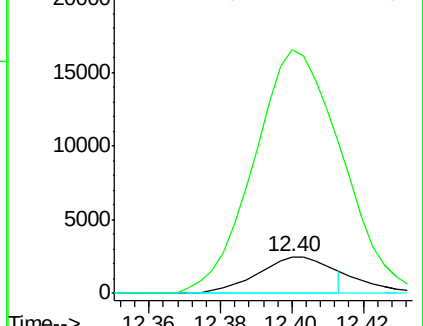
254 0.0 0.2 0.2#



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: VN053965.D

Acq: 26 Feb 2019 19:45

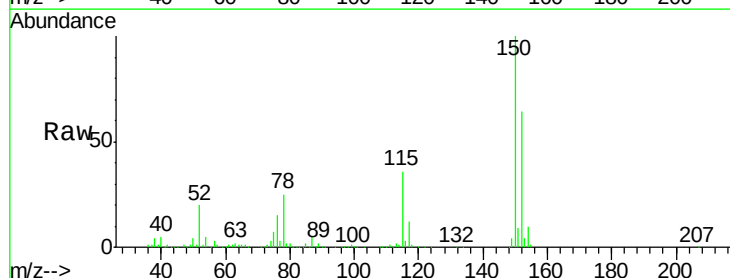
Tgt Ion:152 Resp: 366481

Ion Ratio Lower Upper

152 100

115 56.8 27.2 81.6

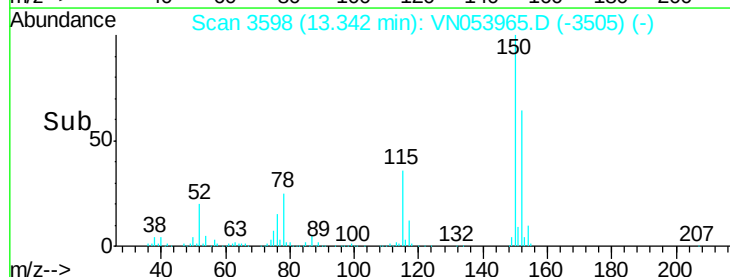
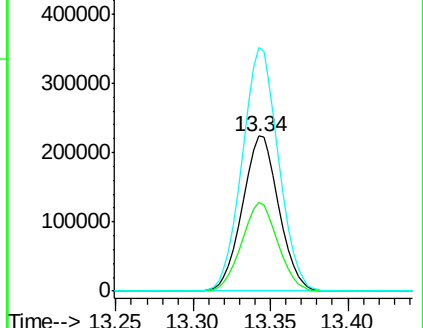
150 156.5 0.0 348.2

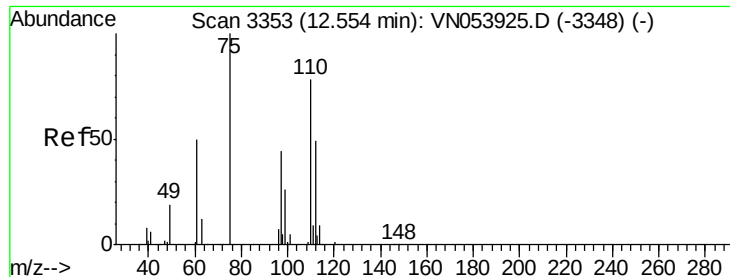


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.118 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

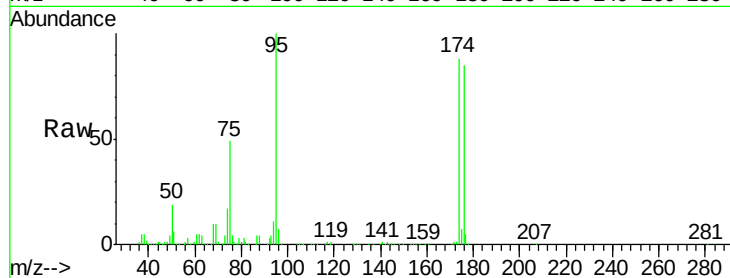
PB117375ZHE#08

Tot Ion: 75 Resp: 212335

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

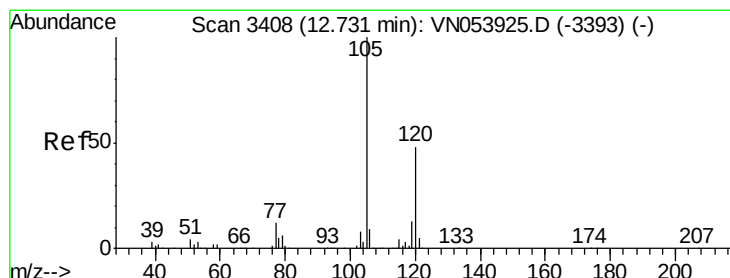
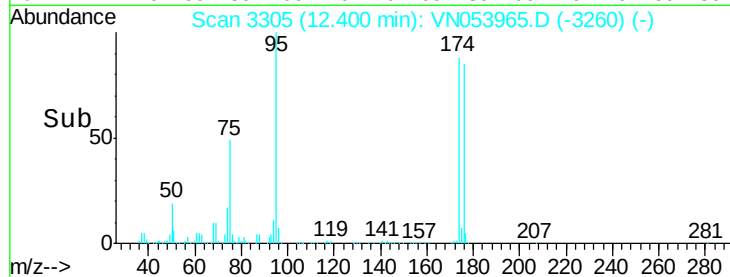
12.40

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.703 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053965.D

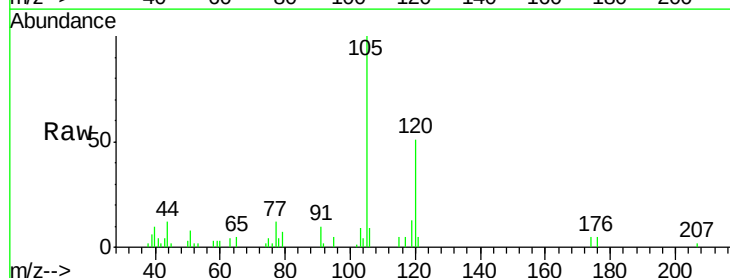
Acq: 26 Feb 2019 19:45

Tgt Ion: 105 Resp: 16418

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

12000

10000

8000

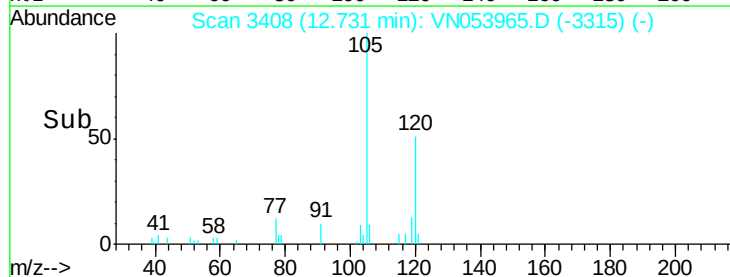
6000

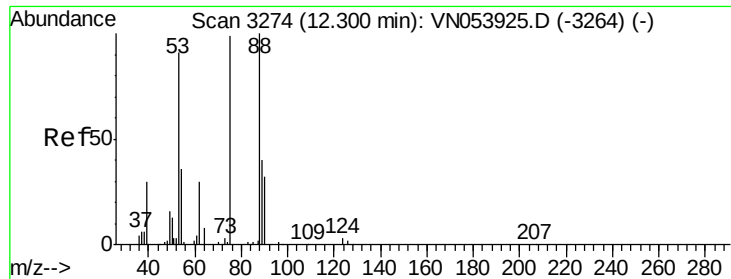
4000

2000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 114.154 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053965.D

Acq: 26 Feb 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#08

Tot Ion: 75 Resp: 212335

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

89 0.0 35.3 52.9#

