

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052840.D
 Acq On : 12 Dec 2018 21:06
 Operator : MD\SY
 Sample : PB115564ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115564ZHE#04

Quant Time: Dec 13 04:14:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1146796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1798849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1623983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	675593	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	608390	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	7.59	113	512670	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.09	98	2215123	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	734339	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

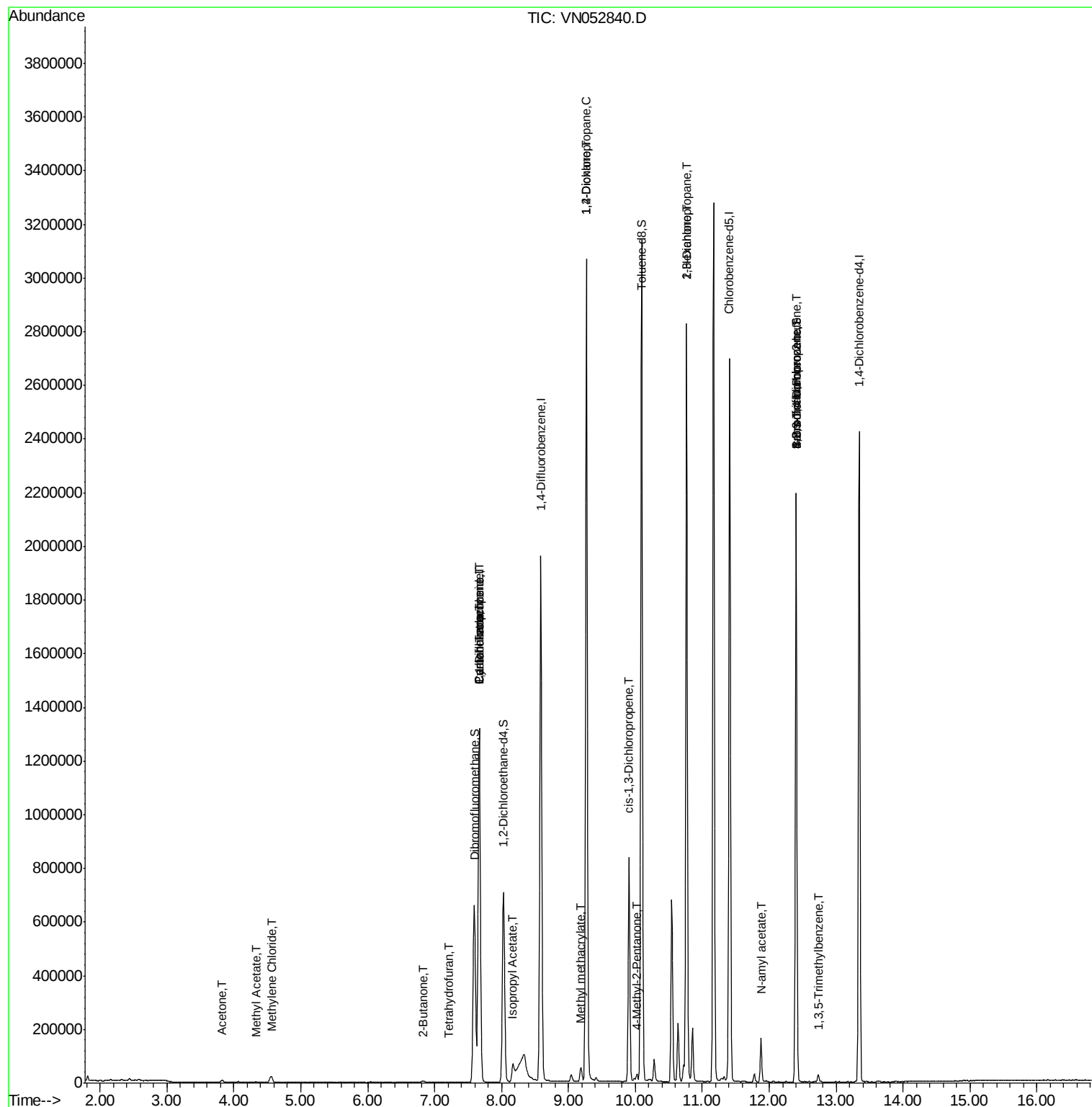
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	16088	5.874	ug/l	99
18) Methyl Acetate	4.33	43	5497	0.547	ug/l #	82
20) Methylene Chloride	4.56	84	17540	1.423	ug/l	95
25) 2-Butanone	6.84	43	1752	0.412	ug/l #	49
29) Tetrahydrofuran	7.21	42	742	0.256	ug/l #	59
31) Cyclohexane	7.67	56	19225	0.354	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	78631	4.747	ug/l #	48
38) Carbon Tetrachloride	7.67	117	101603	6.664	ug/l #	16
43) Isopropyl Acetate	8.17	43	83144	4.075	ug/l #	78
45) 1,2-Dichloropropane	9.27	63	3614	0.278	ug/l #	44
48) Methyl methacrylate	9.18	41	18790	2.100	ug/l #	12
49) 1,4-Dioxane	9.27	88	337	3.318	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	22916	2.449	ug/l #	35
54) cis-1,3-Dichloropropene	9.91	75	157038	8.362	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	29274	1.588	ug/l #	42
59) 2-Hexanone	10.76	43	410025	63.951	ug/l #	50
71) Bromoform	12.40	173	4372	0.549	ug/l #	1
74) N-amyl acetate	11.88	43	50606	3.654	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	348320	34.945	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	13287	0.326	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	348320	112.261	ug/l #	12

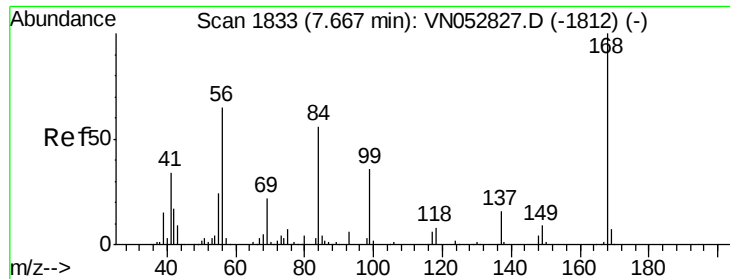
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121218\
Data File : VN052840.D
Acq On : 12 Dec 2018 21:06
Operator : MD\SY
Sample : PB115564ZHE#04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#04

Quant Time: Dec 13 04:14:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
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: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

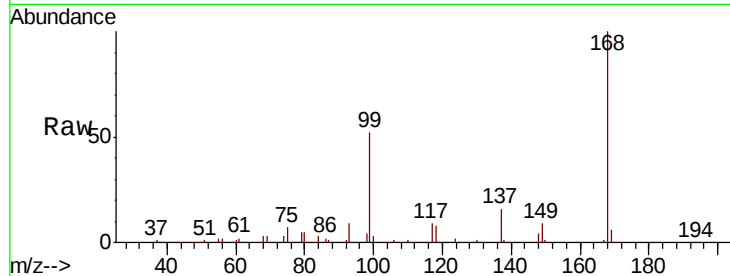
PB115564ZHE#04

Tot Ion:168 Resp: 1146796

Ion Ratio Lower Upper

168 100

99 51.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

500000

400000

300000

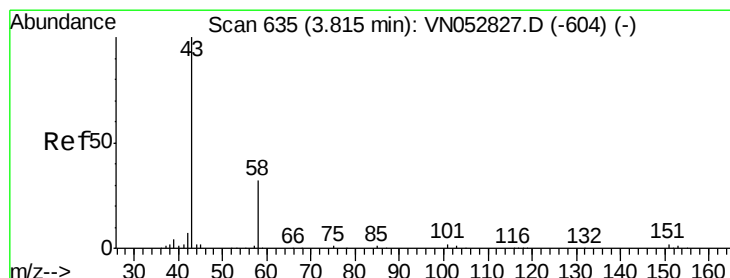
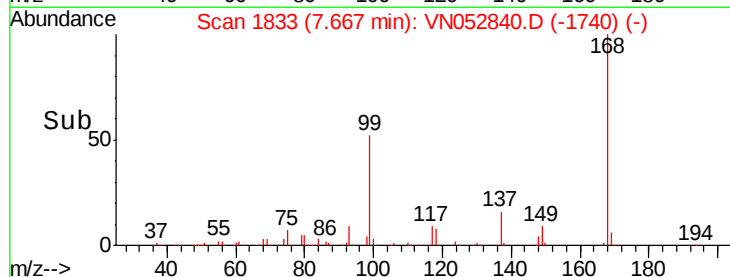
200000

100000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 5.874 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052840.D

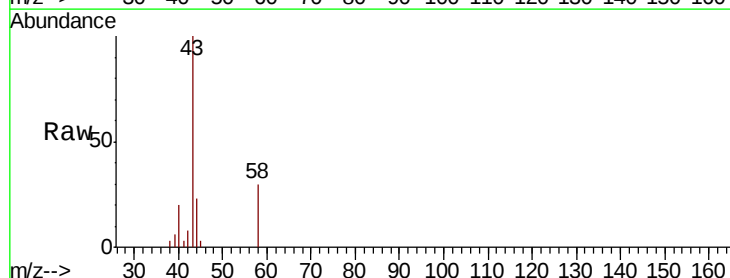
Acq: 12 Dec 2018 21:06

Tgt Ion: 43 Resp: 16088

Ion Ratio Lower Upper

43 100

58 31.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)

3.82

6000

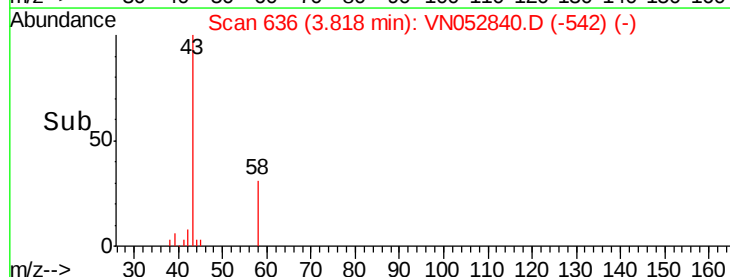
4000

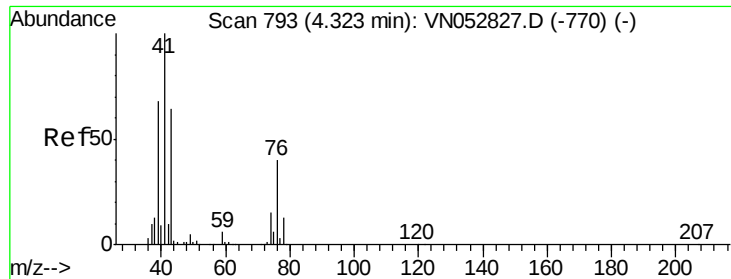
2000

0

3.75 3.80 3.85 3.90

Time-->

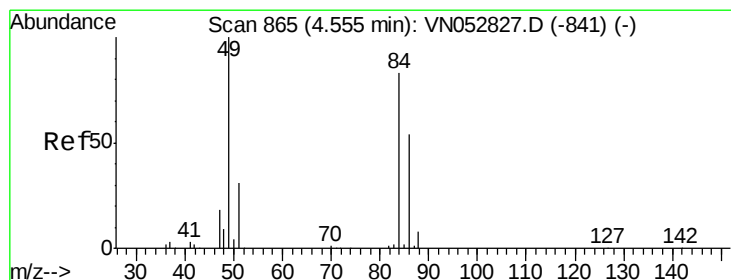
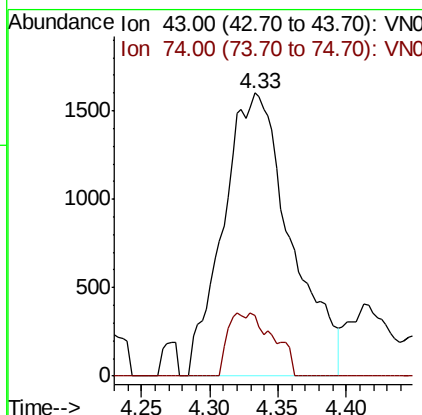
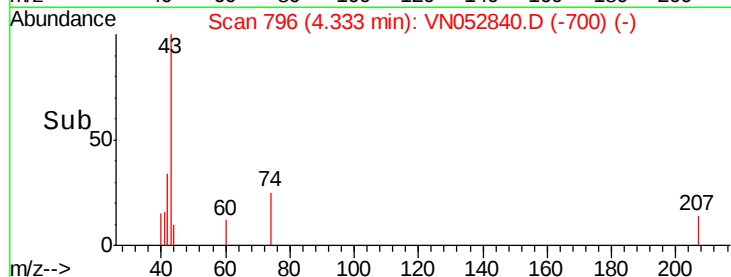
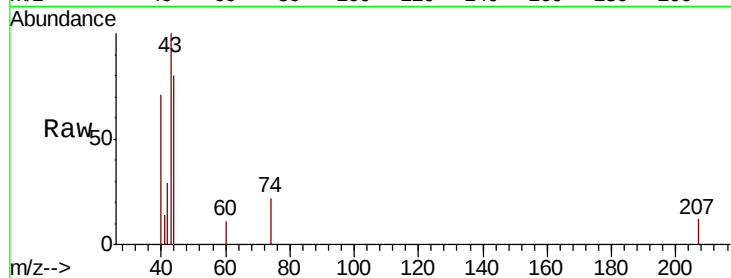




#18
Methyl Acetate
Concen: 0.547 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052840.D
Acq: 12 Dec 2018 21:06

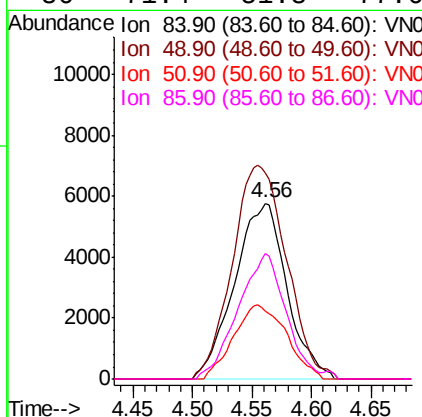
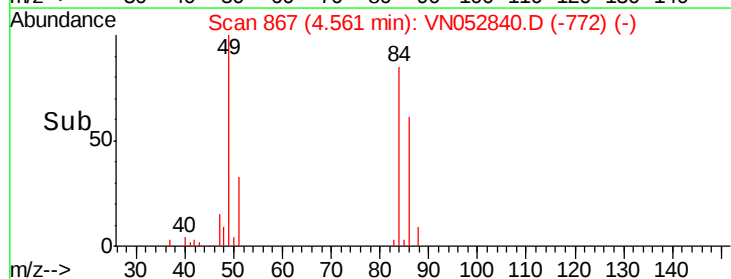
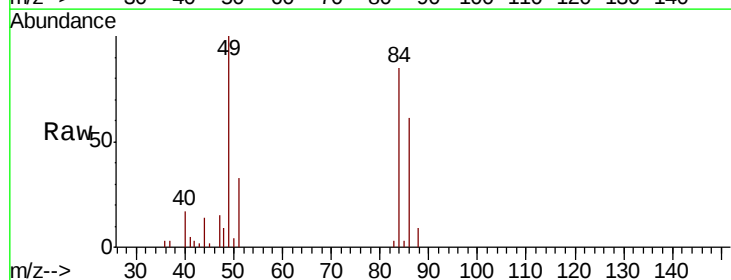
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#04

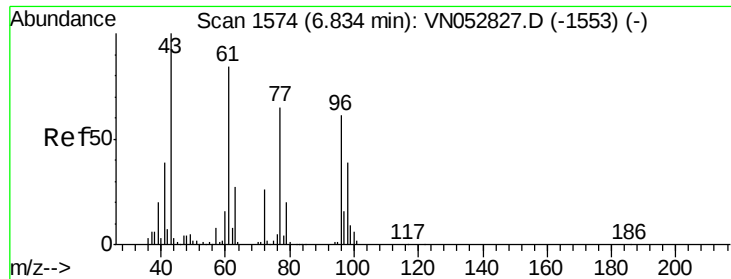
Tot Ion: 43 Resp: 5497
Ion Ratio Lower Upper
43 100
74 14.9 19.2 28.8#



#20
Methylene Chloride
Concen: 1.423 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052840.D
Acq: 12 Dec 2018 21:06

Tgt Ion: 84 Resp: 17540
Ion Ratio Lower Upper
84 100
49 117.6 96.8 145.2
51 39.0 29.9 44.9
86 71.4 51.8 77.6





#25

2-Butanone

Concen: 0.412 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

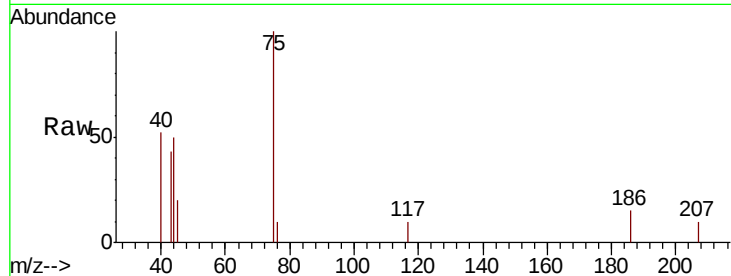
PB115564ZHE#04

Tot Ion: 43 Resp: 1752

Ion Ratio Lower Upper

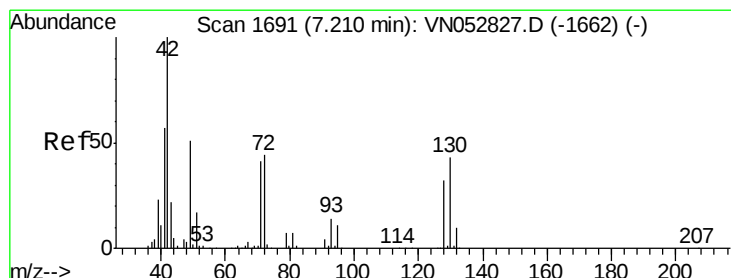
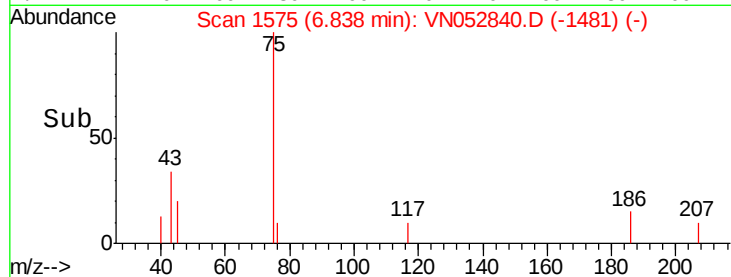
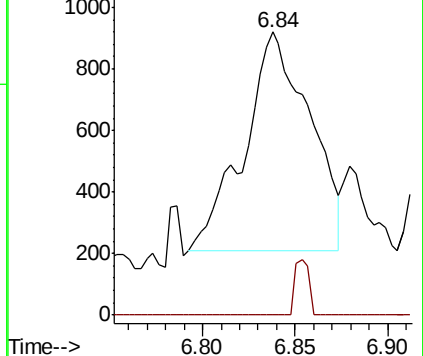
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.256 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

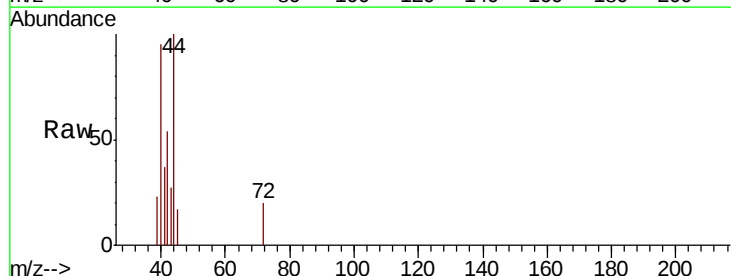
Tgt Ion: 42 Resp: 742

Ion Ratio Lower Upper

42 100

72 17.8 34.7 52.1#

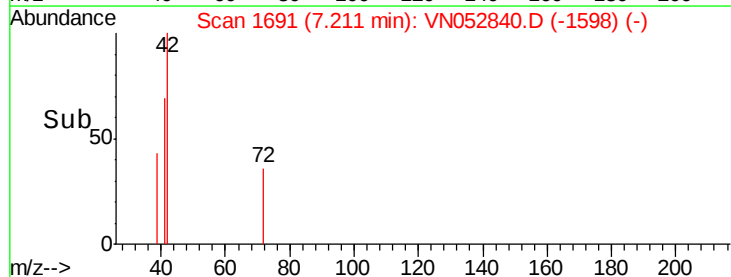
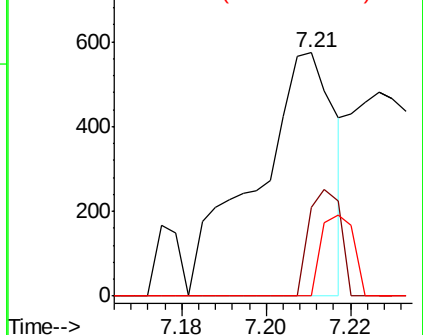
71 13.9 32.3 48.5#

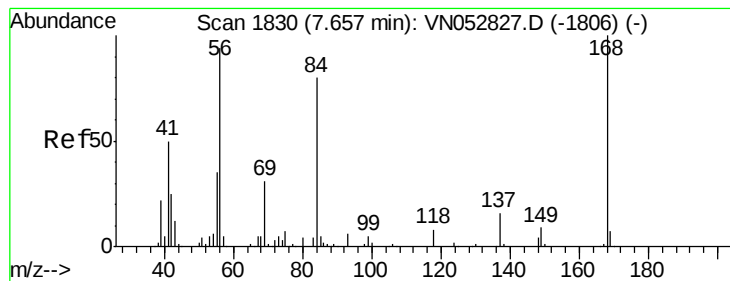


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.354 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#04

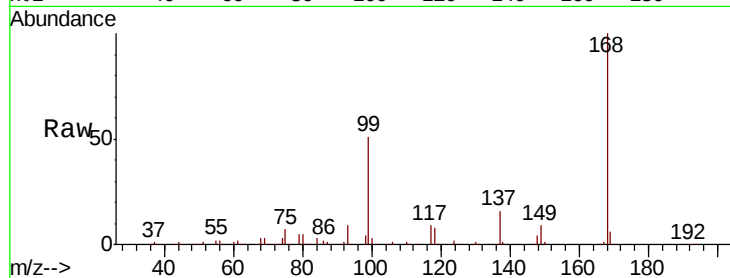
Tot Ion: 56 Resp: 19225

Ion Ratio Lower Upper

56 100

69 179.0 26.6 39.8#

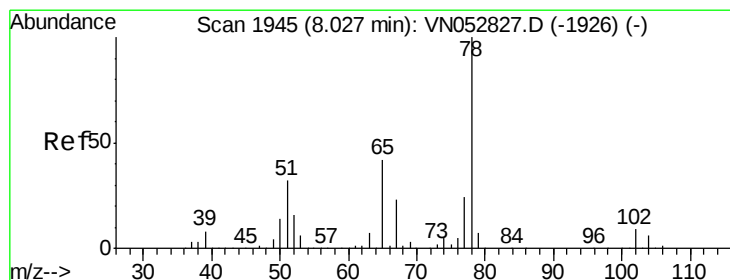
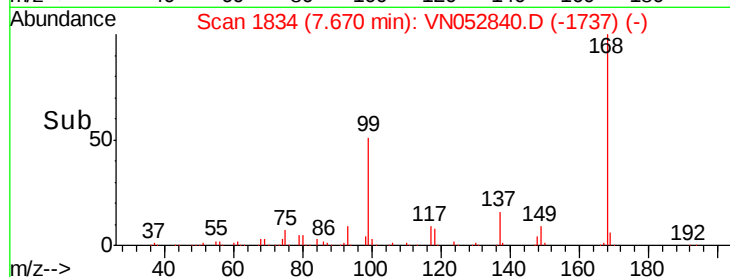
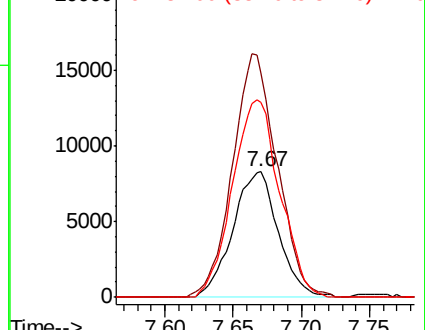
84 155.9 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052827.D (-1806) (-)



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052840.D

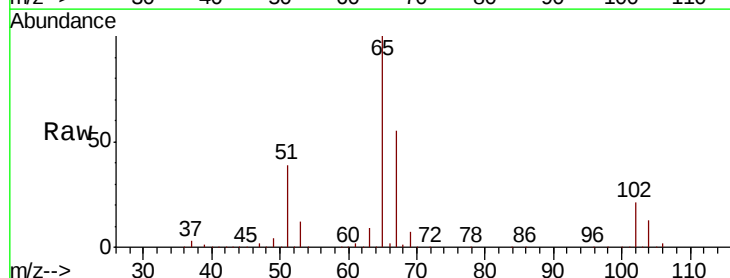
Acq: 12 Dec 2018 21:06

Tgt Ion: 65 Resp: 608390

Ion Ratio Lower Upper

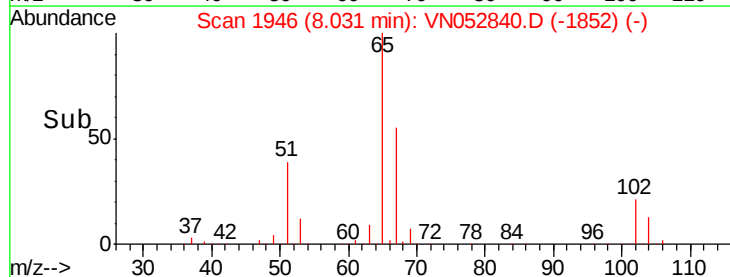
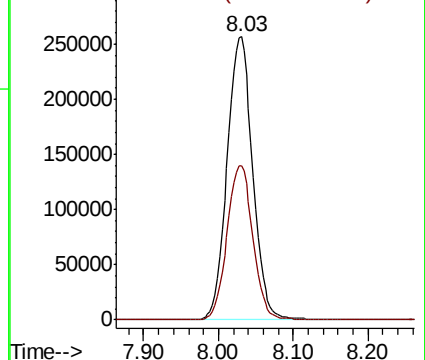
65 100

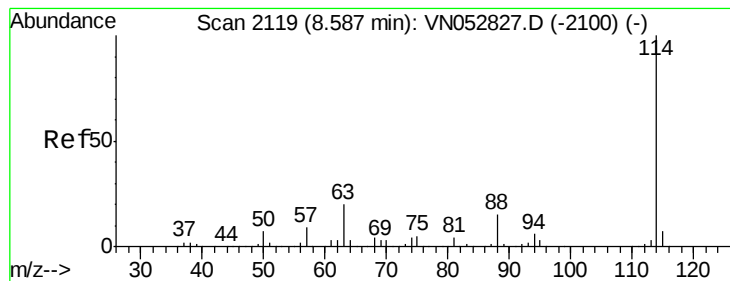
67 55.0 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052827.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052827.D (-1926) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#04

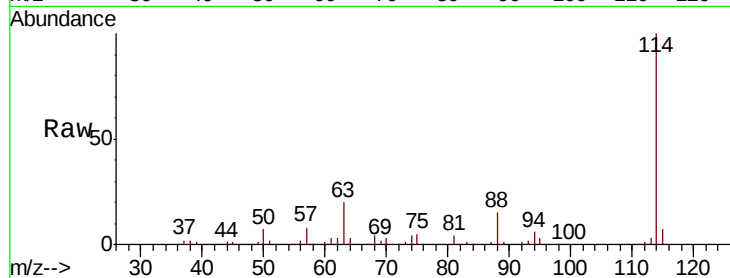
Tot Ion:114 Resp: 1798849

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

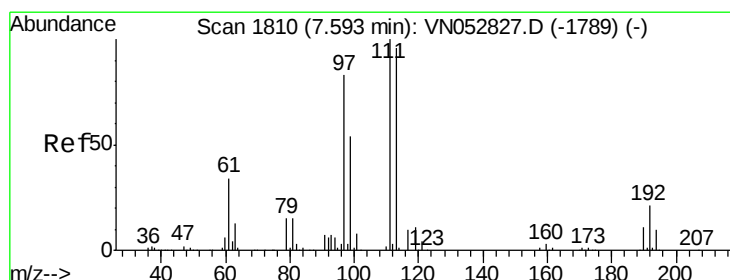
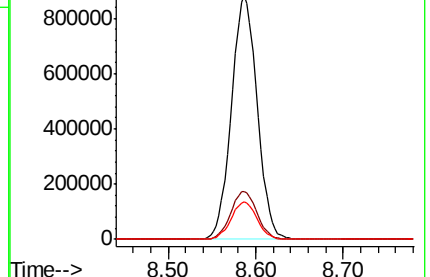
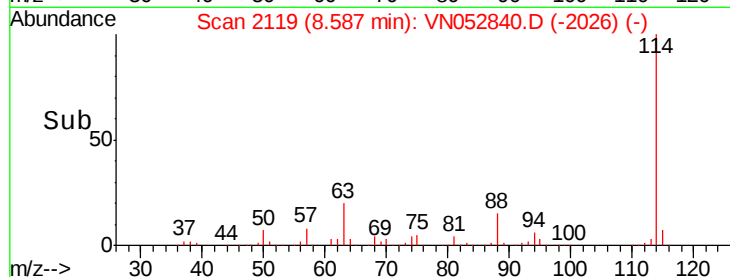
88 15.4 0.0 31.0



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

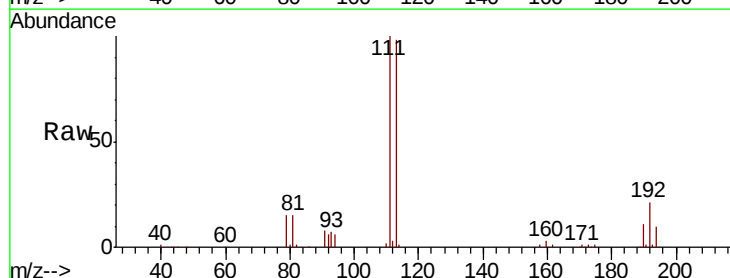
Tgt Ion:113 Resp: 512670

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

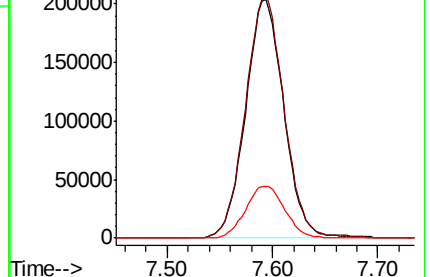
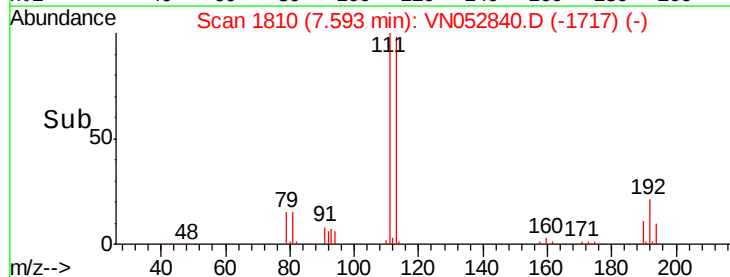
192 22.4 17.5 26.3

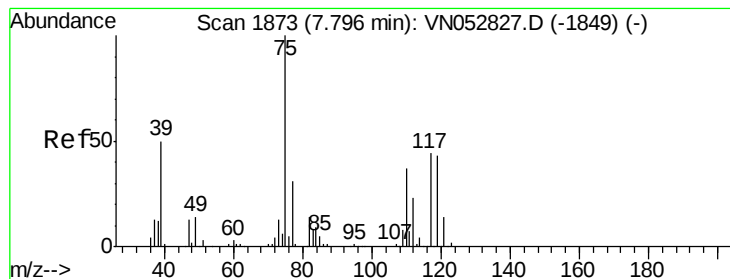


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.747 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#04

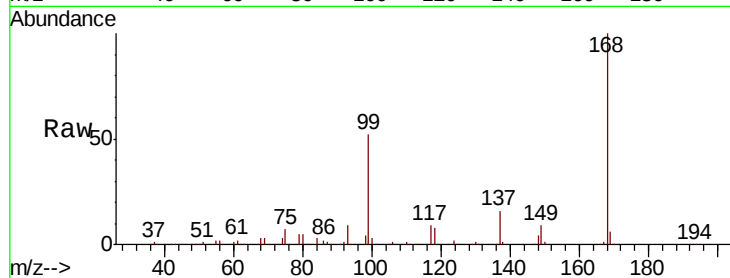
Tot Ion: 75 Resp: 78631

Ion Ratio Lower Upper

75 100

110 8.4 18.2 54.6#

77 0.0 24.9 37.3#

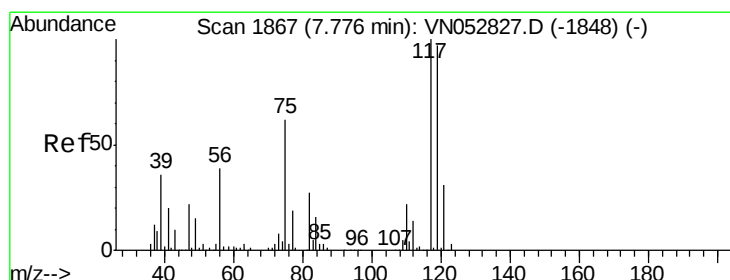
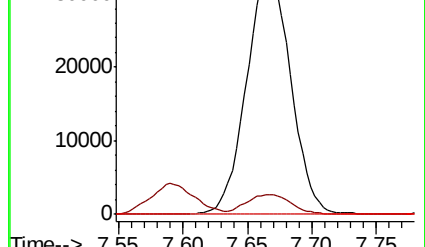
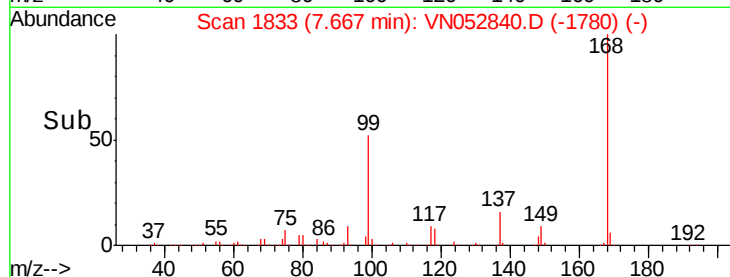


Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN052827.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN052827.D (-1849) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.664 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

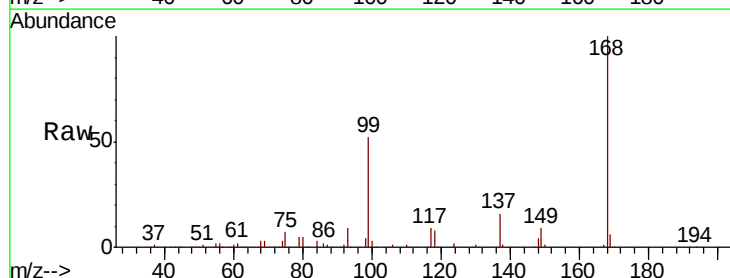
Tgt Ion: 117 Resp: 101603

Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

121 0.0 24.9 37.3#

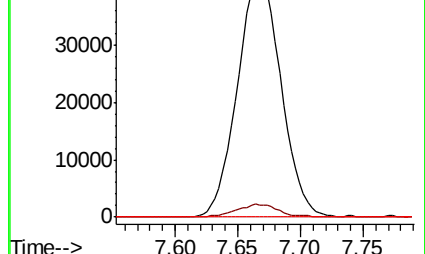
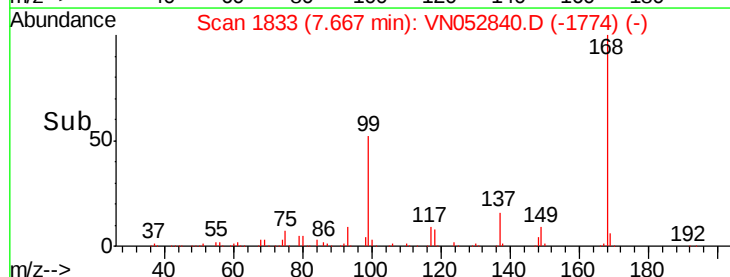


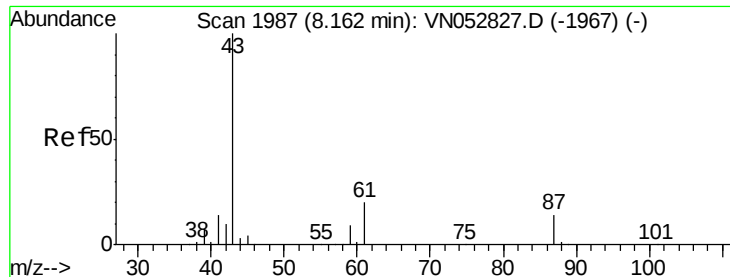
Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN052827.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN052827.D (-1848) (-)

Time-->





#43

Isopropyl Acetate

Concen: 4.075 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#04

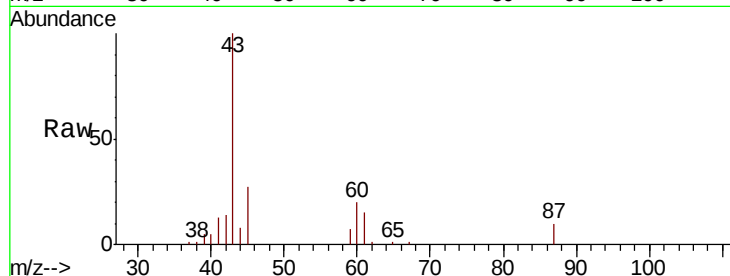
Tot Ion: 43 Resp: 83144

Ion Ratio Lower Upper

43 100

61 14.8 22.9 34.3#

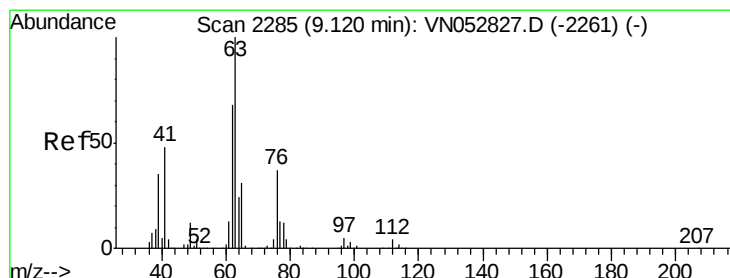
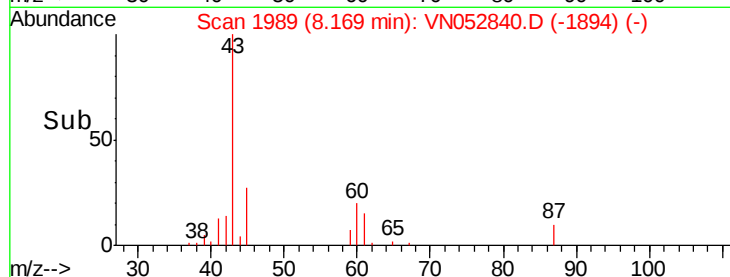
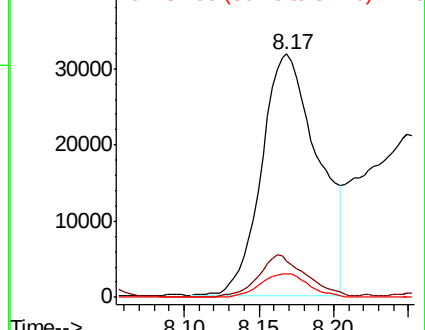
87 8.4 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.278 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052840.D

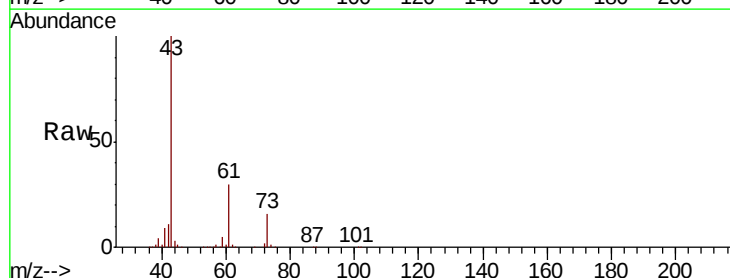
Acq: 12 Dec 2018 21:06

Tgt Ion: 63 Resp: 3614

Ion Ratio Lower Upper

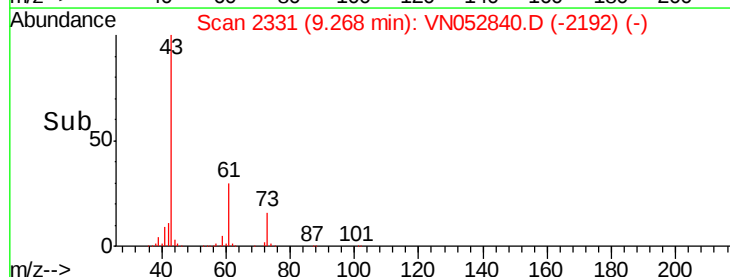
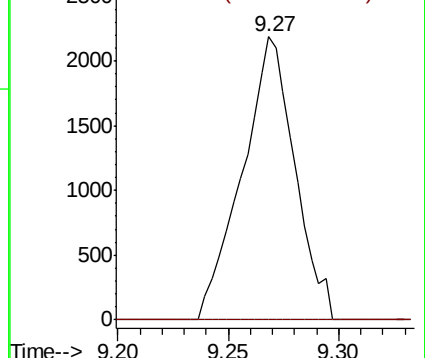
63 100

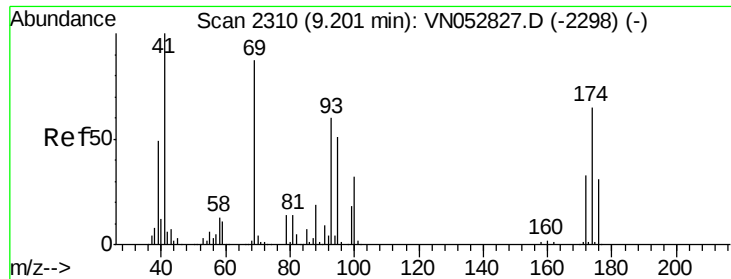
65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

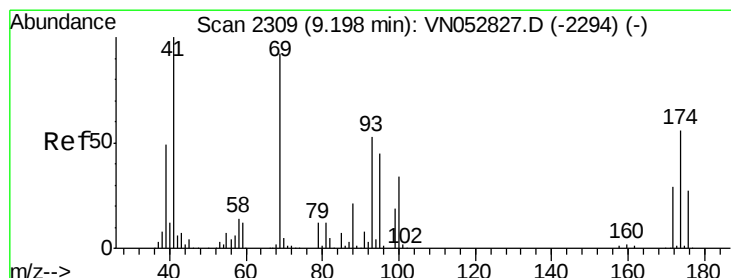
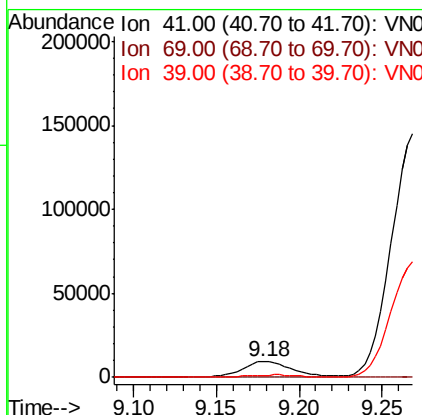
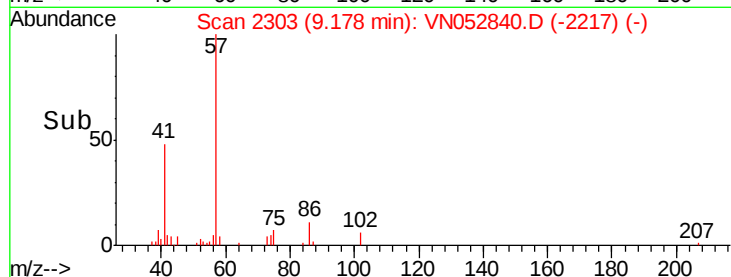
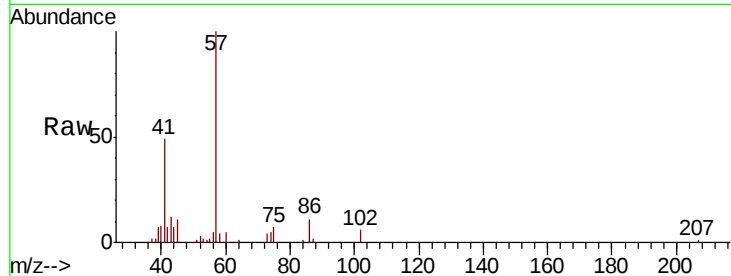




#48
Methvl methacrylate
Concen: 2.100 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052840.D
Acq: 12 Dec 2018 21:06

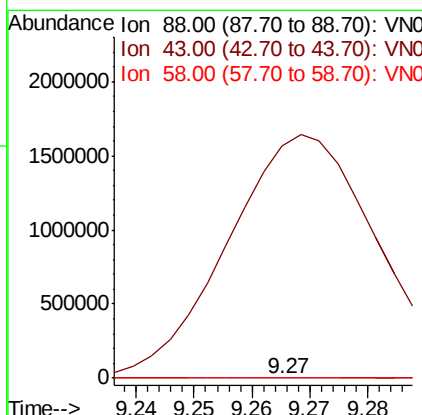
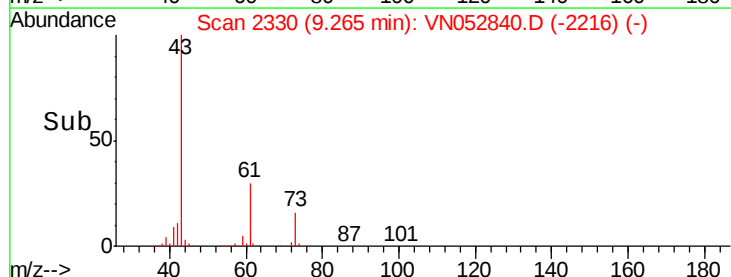
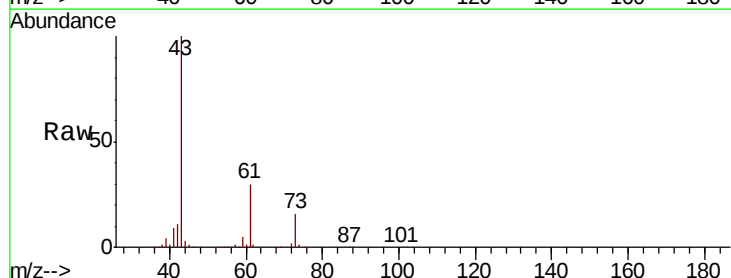
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#04

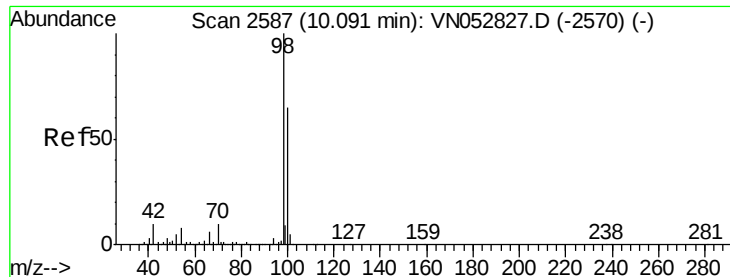
Tot Ion: 41 Resp: 18790
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#



#49
1,4-Dioxane
Concen: 3.318 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN052840.D
Acq: 12 Dec 2018 21:06

Tgt Ion: 88 Resp: 337
Ion Ratio Lower Upper
88 100
43 891135.6 26.6 40.0#
58 3997.6 58.4 87.6#





#50

Toluene-d8

Concen: 3.318 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

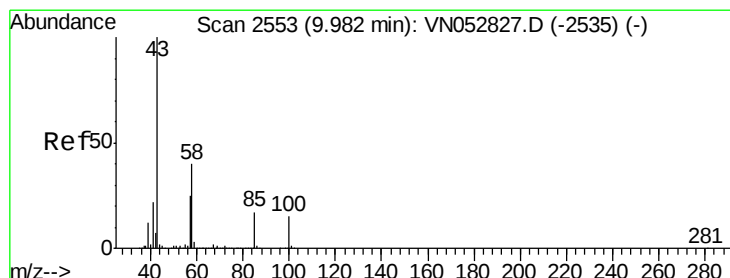
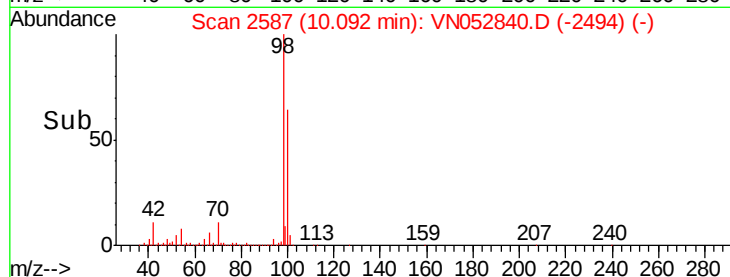
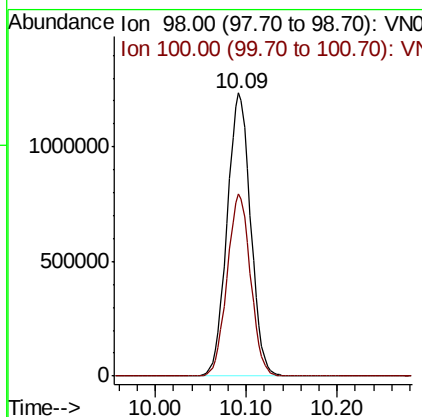
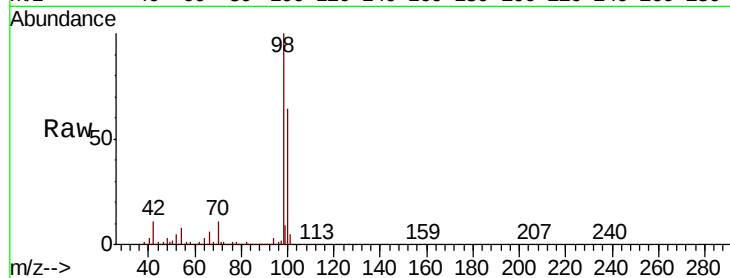
PB115564ZHE#04

Tot Ion: 98 Resp: 2215123

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 2.449 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.05 min

Lab File: VN052840.D

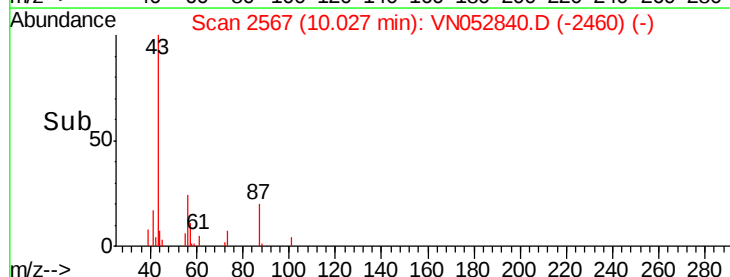
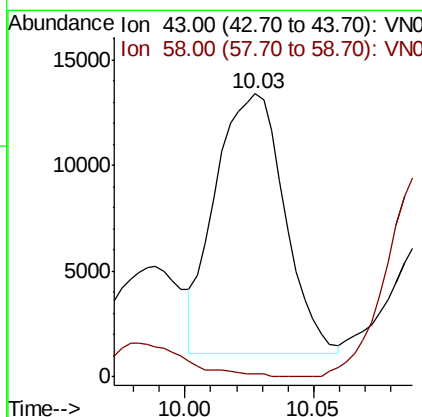
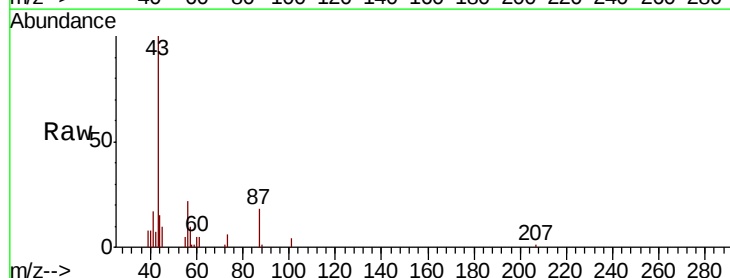
Acq: 12 Dec 2018 21:06

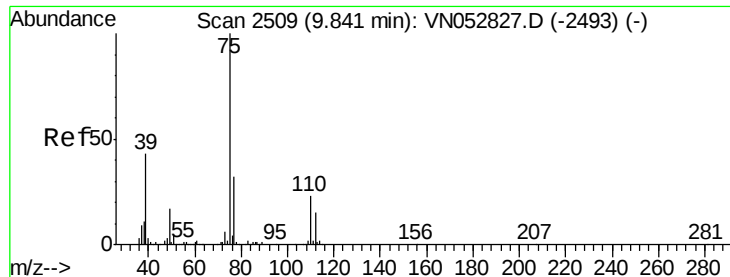
Tgt Ion: 43 Resp: 22916

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#





#54

cis-1,3-Dichloropropene

Concen: 8.362 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#04

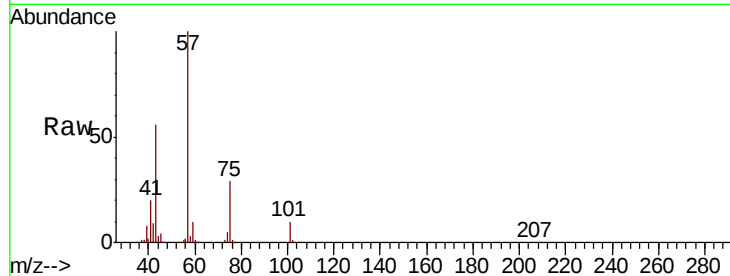
Tot Ion: 75 Resp: 157038

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.8#

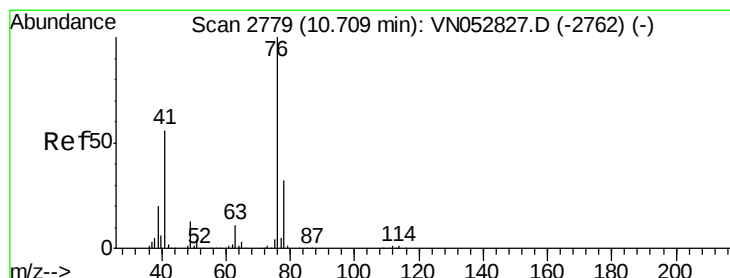
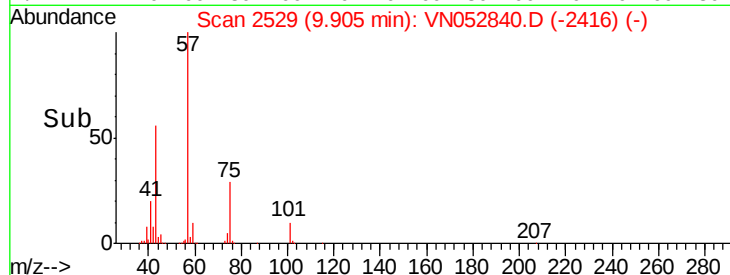
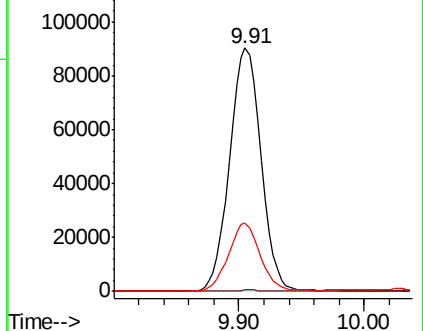
39 27.8 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052840.D (-2416) (-)

Ion 76.90 (76.60 to 77.60): VN052840.D (-2416) (-)

Ion 39.00 (38.70 to 39.70): VN052840.D (-2416) (-)



#57

1,3-Dichloropropane

Concen: 1.588 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052840.D

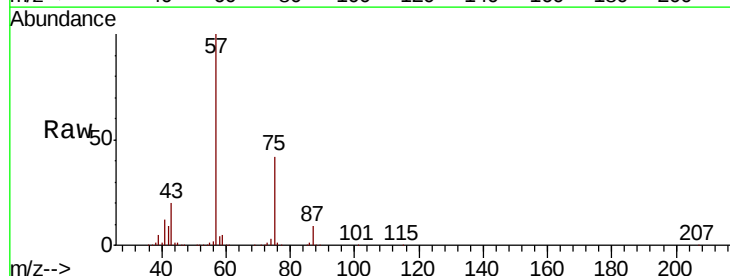
Acq: 12 Dec 2018 21:06

Tgt Ion: 76 Resp: 29274

Ion Ratio Lower Upper

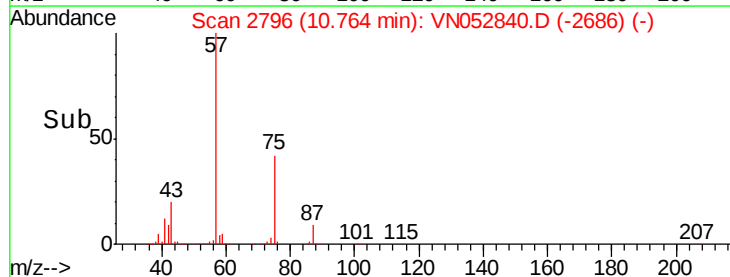
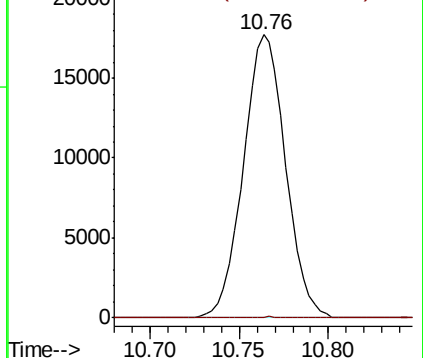
76 100

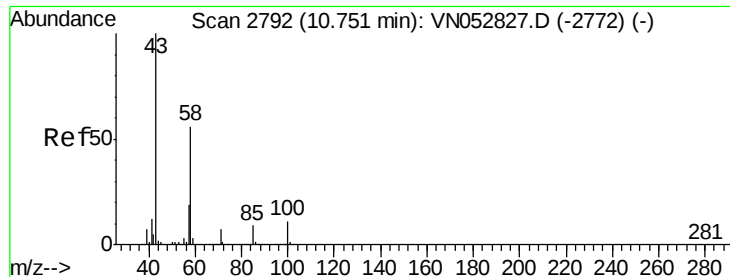
78 0.1 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN052840.D (-2686) (-)

Ion 77.90 (77.60 to 78.60): VN052840.D (-2686) (-)

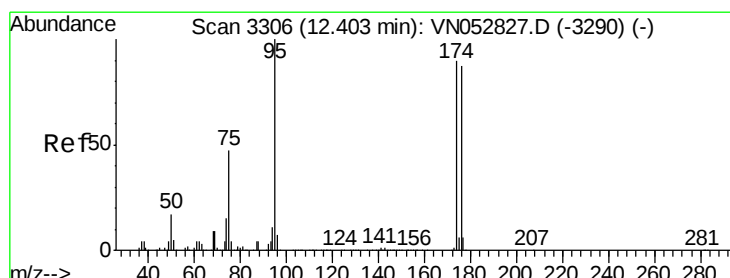
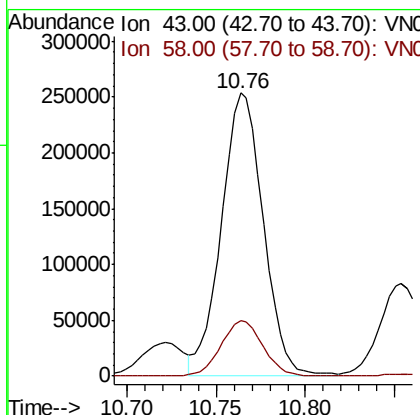
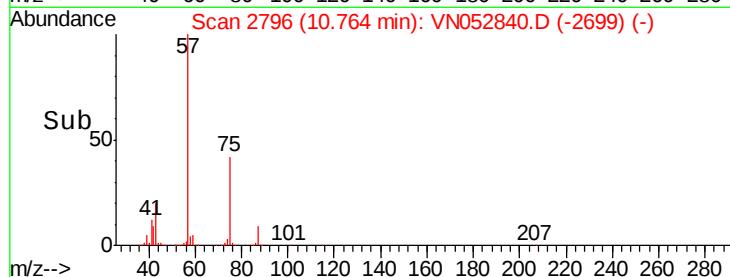
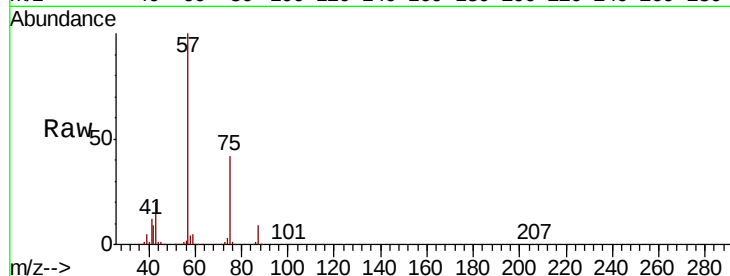




#59
2-Hexanone
Concen: 63.951 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052840.D
Acq: 12 Dec 2018 21:06

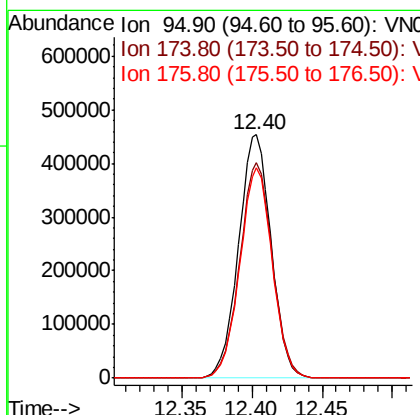
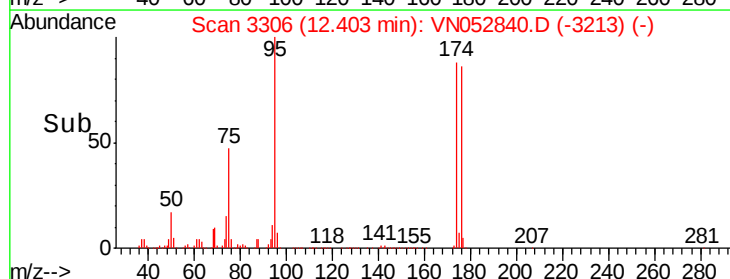
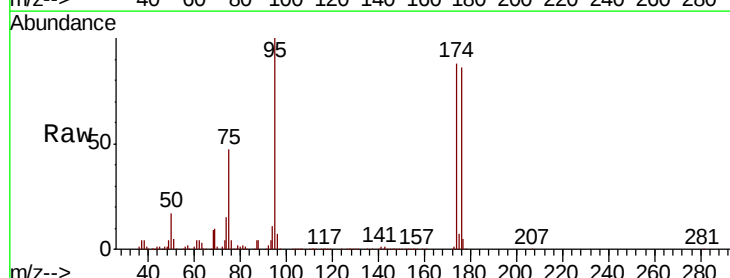
Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#04

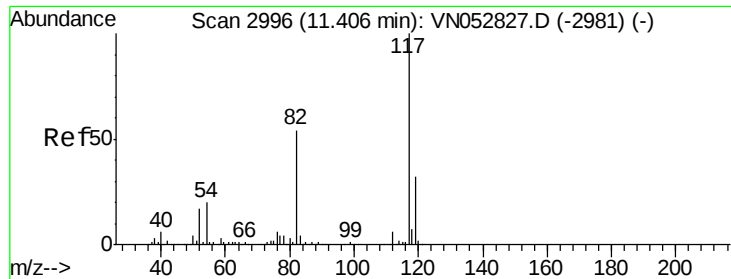
Tot Ion: 43 Resp: 410025
Ion Ratio Lower Upper
43 100
58 19.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052840.D
Acq: 12 Dec 2018 21:06

Tgt Ion: 95 Resp: 734339
Ion Ratio Lower Upper
95 100
174 88.9 0.0 178.8
176 86.0 0.0 173.8

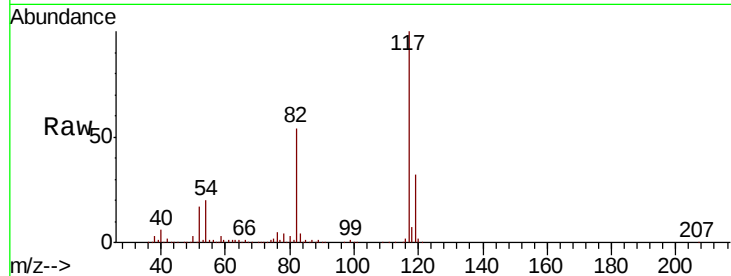




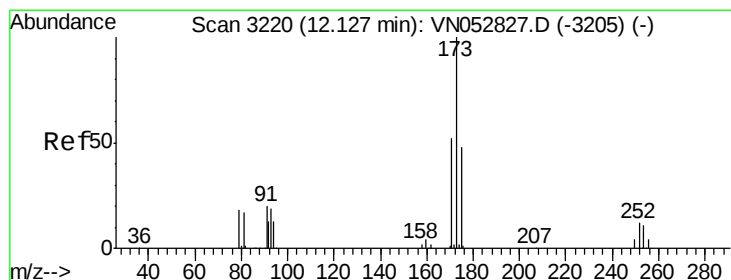
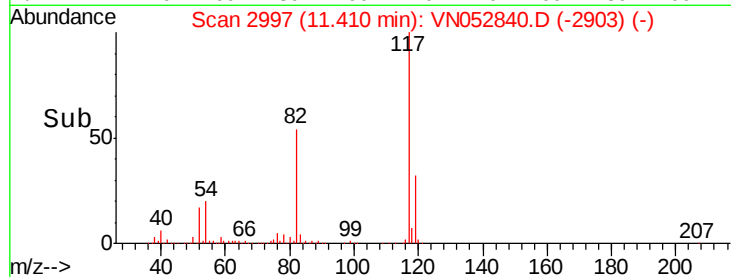
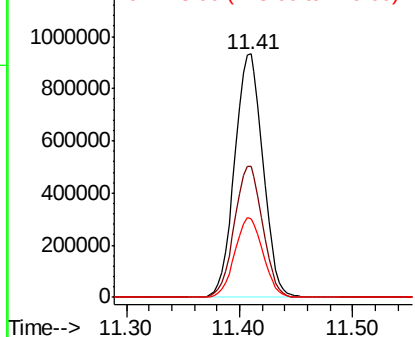
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052840.D
Acq: 12 Dec 2018 21:06

Instrument :
MSVOA_N
ClientSampleId :
PB115564ZHE#04

Tot Ion:117 Resp: 1623983
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.5 25.5 38.3

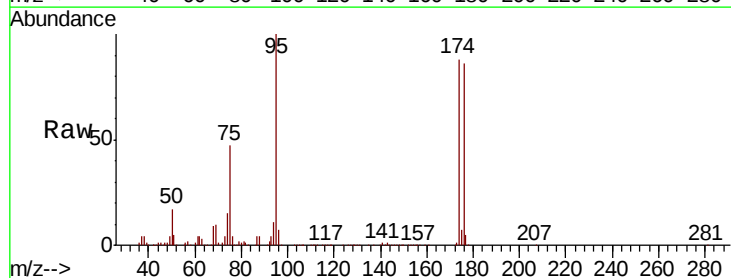


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

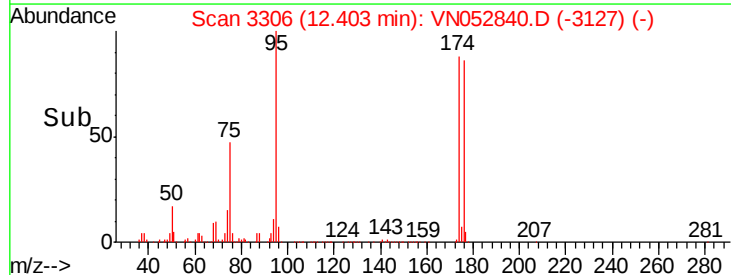
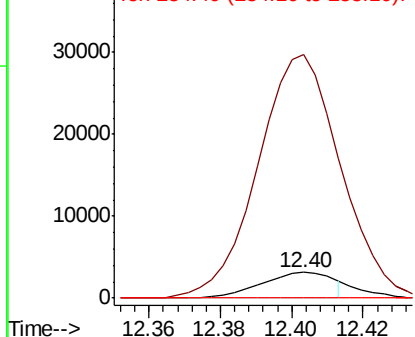


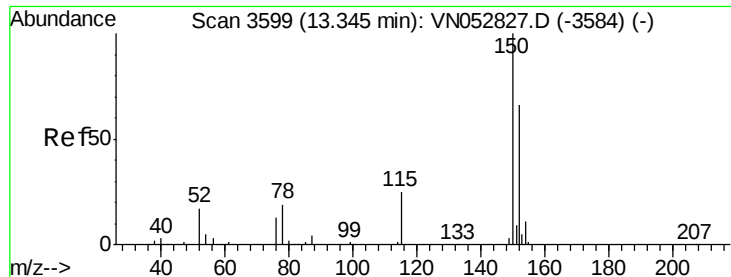
#71
Bromoform
Concen: 0.549 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052840.D
Acq: 12 Dec 2018 21:06

Tgt Ion:173 Resp: 4372
Ion Ratio Lower Upper
173 100
175 951.3 24.3 72.9#
254 0.0 0.1 0.1#



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: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#04

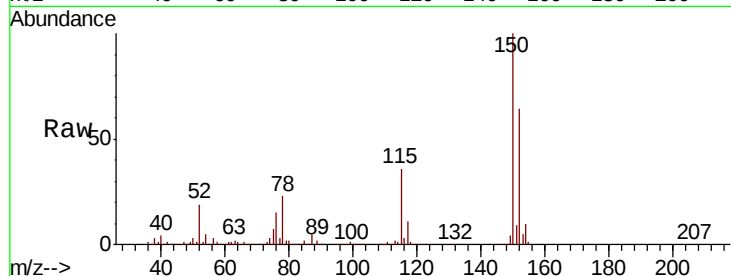
Tot Ion:152 Resp: 675593

Ion Ratio Lower Upper

152 100

115 55.9 28.3 85.0

150 156.6 0.0 347.8

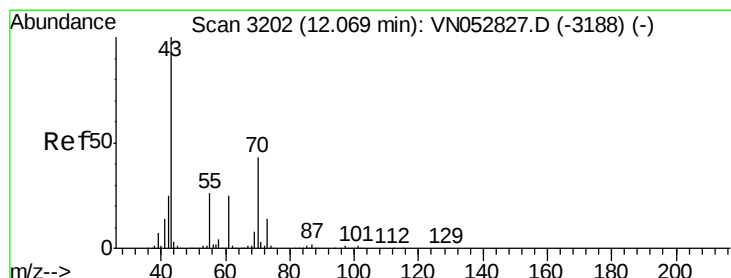
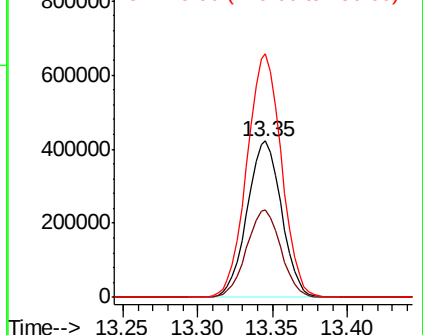
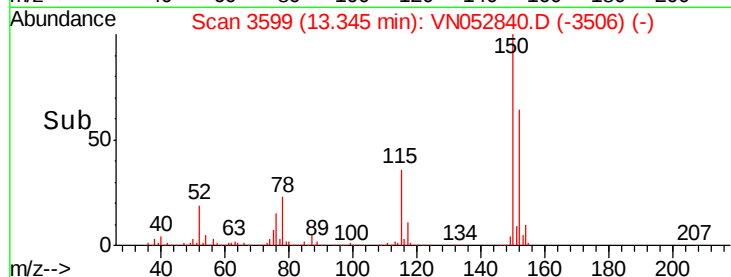


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 3.654 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Tgt Ion: 43 Resp: 50606

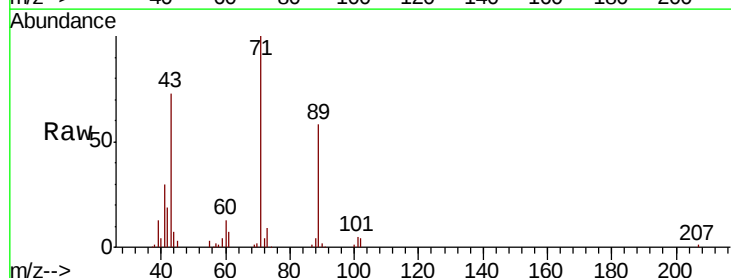
Ion Ratio Lower Upper

43 100

70 2.2 34.2 51.4#

55 4.4 20.3 30.5#

61 10.7 20.0 30.0#



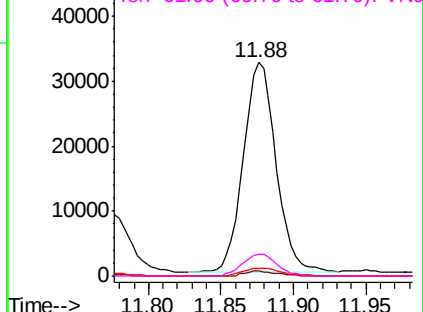
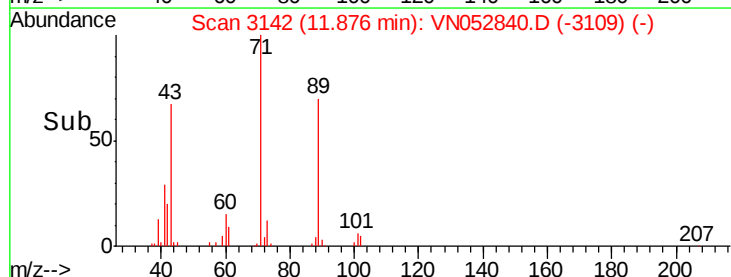
Abundance

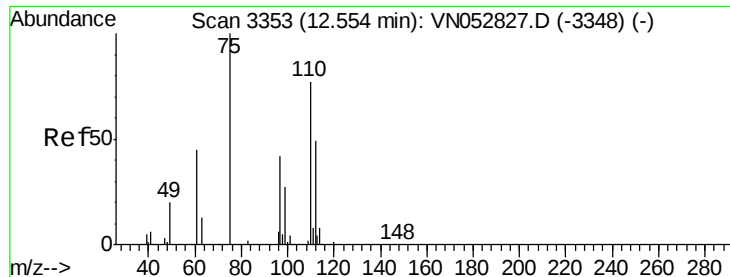
Ion 43.00 (42.70 to 43.70): V

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: 34.945 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

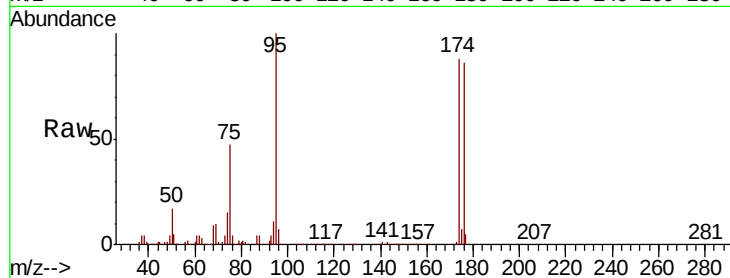
PB115564ZHE#04

Tot Ion: 75 Resp: 348320

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)

12.40

250000

200000

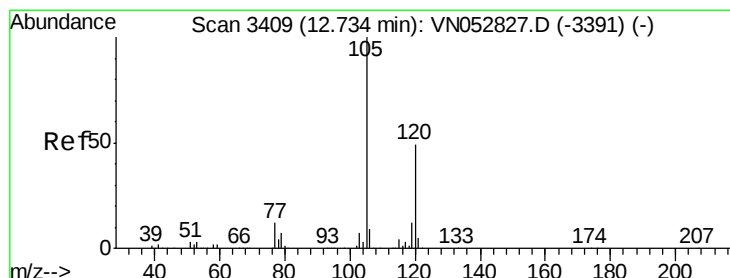
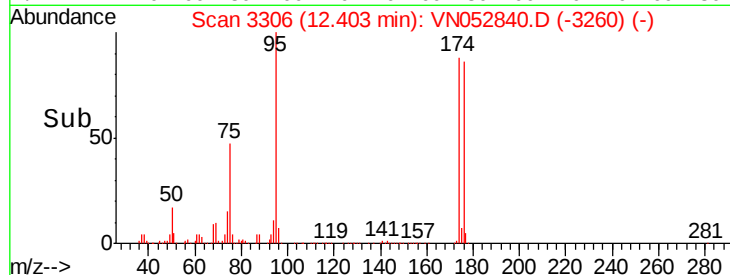
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.326 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052840.D

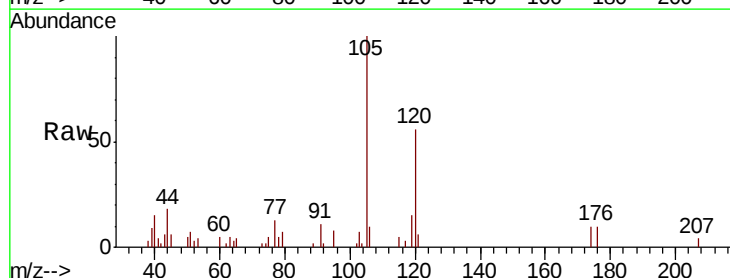
Acq: 12 Dec 2018 21:06

Tgt Ion: 105 Resp: 13287

Ion Ratio Lower Upper

105 100

120 50.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)

12.73

8000

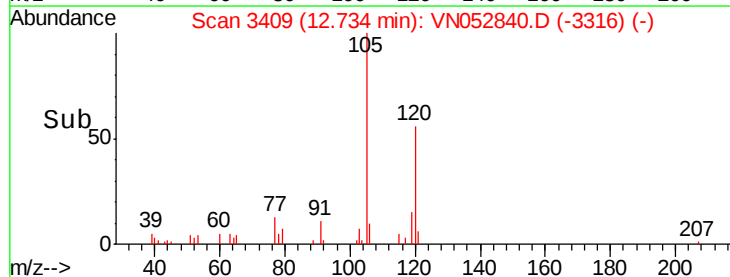
6000

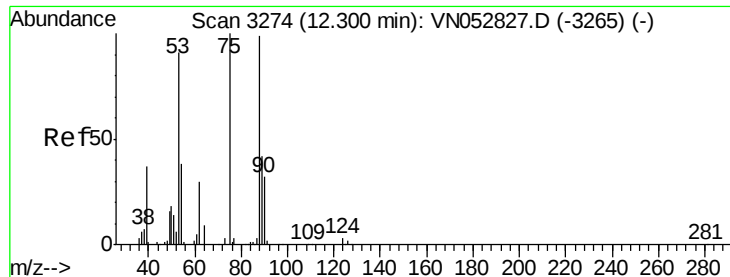
4000

2000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 112.261 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052840.D

Acq: 12 Dec 2018 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB115564ZHE#04

Tot Ion: 75 Resp: 348320

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

