

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060421.D
 Acq On : 10 Mar 2020 16:54
 Operator : JC/MD
 Sample : PB127392ZHE#16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#16

Quant Time: Mar 11 06:42:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	204741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152118	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	133298	50.74	ug/l	0.00
Spiked Amount						
			Recovery	=	101.48%	
35) Dibromofluoromethane	7.57	113	99524	63.65	ug/l	0.00
Spiked Amount						
			Recovery	=	127.30%	
50) Toluene-d8	10.08	98	416050	52.57	ug/l	0.00
Spiked Amount						
			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.40	95	157420	52.47	ug/l	0.00
Spiked Amount						
			Recovery	=	104.94%	

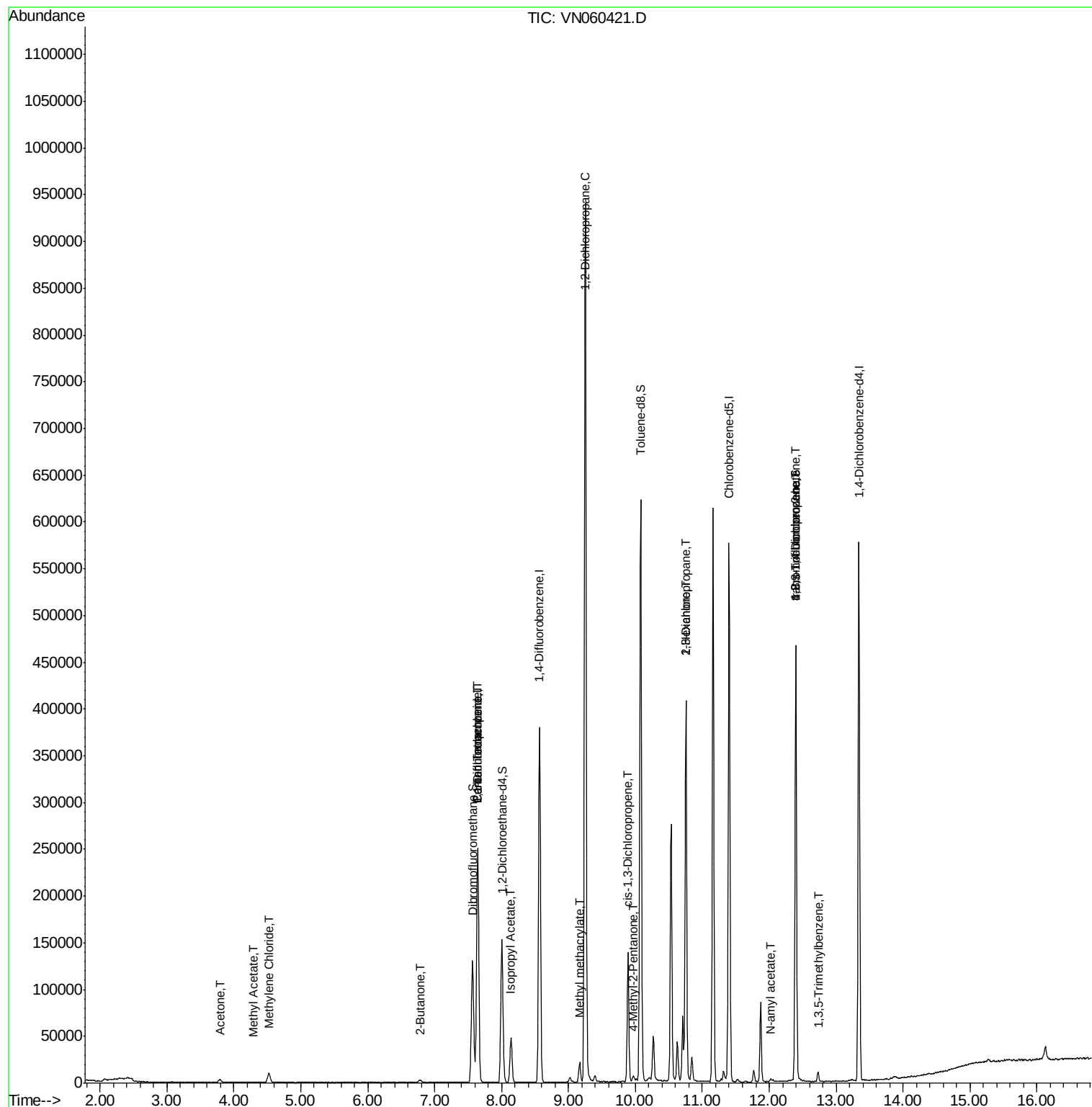
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6624	7.809	ug/l	92
18) Methyl Acetate	4.29	43	765	0.270	ug/l #	76
20) Methylene Chloride	4.52	84	7773	3.337	ug/l	95
25) 2-Butanone	6.79	43	465	0.339	ug/l #	49
31) Cyclohexane	7.64	56	4366	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15447	4.811	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19590	6.267	ug/l #	16
43) Isopropyl Acetate	8.14	43	57133	10.735	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1078	0.441	ug/l #	44
48) Methyl methacrylate	9.16	41	2733	1.126	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4381	1.452	ug/l #	86
54) cis-1,3-Dichloropropene	9.89	75	25034	6.115	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	4114	1.069	ug/l #	42
59) 2-Hexanone	10.75	43	60916	27.495	ug/l #	52
74) N-amyl acetate	12.02	43	3193	0.648	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	81336	24.370	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6057	0.638	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	81336	67.274	ug/l #	8
95) Naphthalene	15.13	128	131	Below Cal	#	69

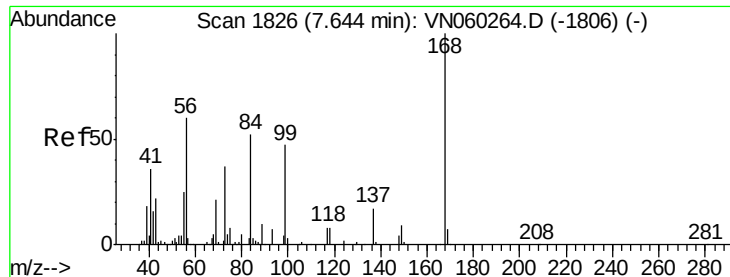
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

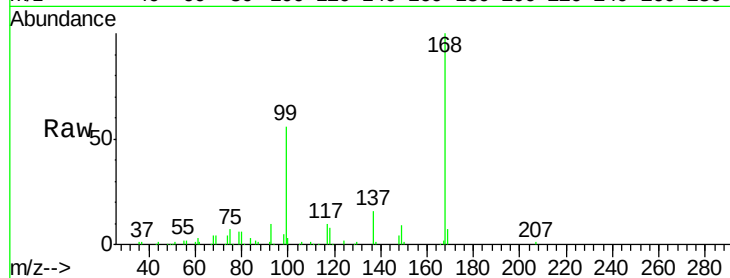
PB127392ZHE#16

Tgt Ion:168 Resp: 204741

Ion Ratio Lower Upper

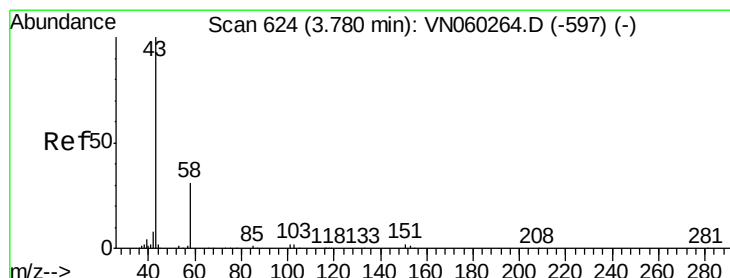
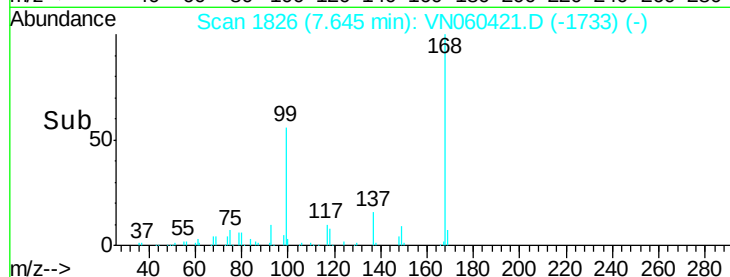
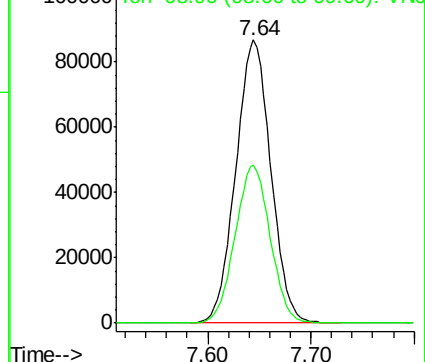
168 100

99 55.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 7.809 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060421.D

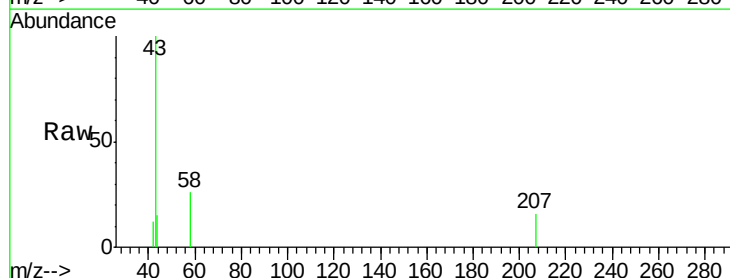
Acq: 10 Mar 2020 16:54

Tgt Ion: 43 Resp: 6624

Ion Ratio Lower Upper

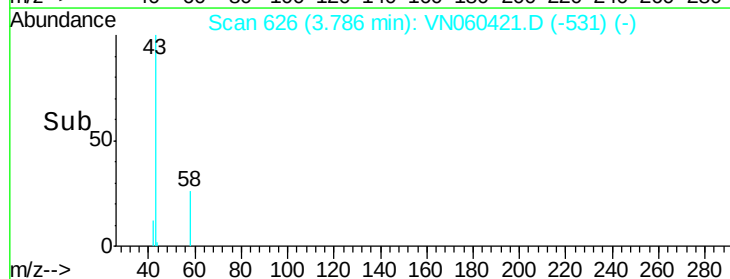
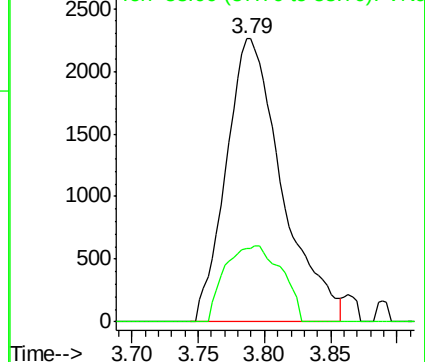
43 100

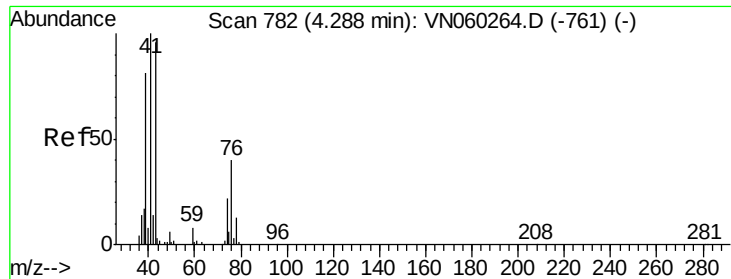
58 26.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 0.270 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

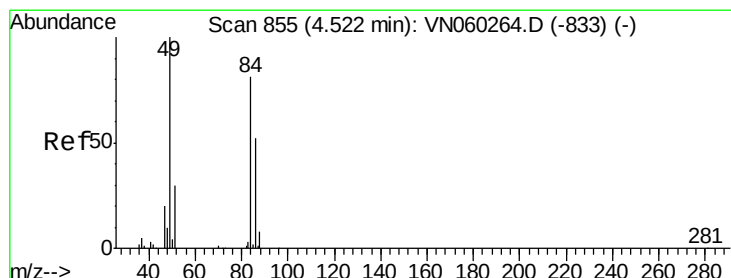
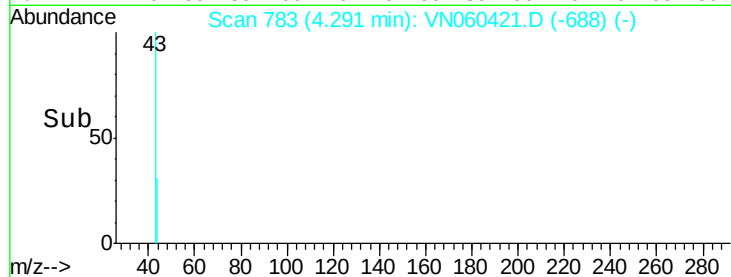
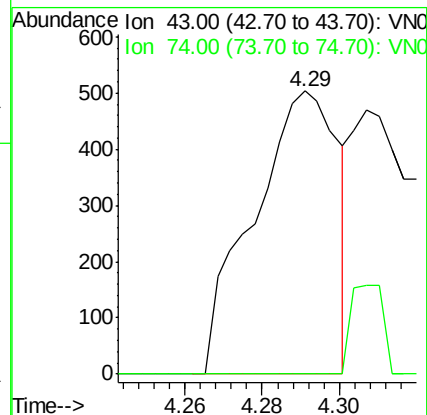
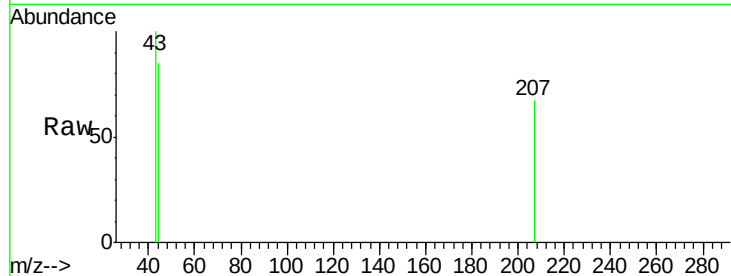
PB127392ZHE#16

Tgt Ion: 43 Resp: 765

Ion Ratio Lower Upper

43 100

74 11.8 18.8 28.2#



#20

Methylene Chloride

Concen: 3.337 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Tgt Ion: 84 Resp: 7773

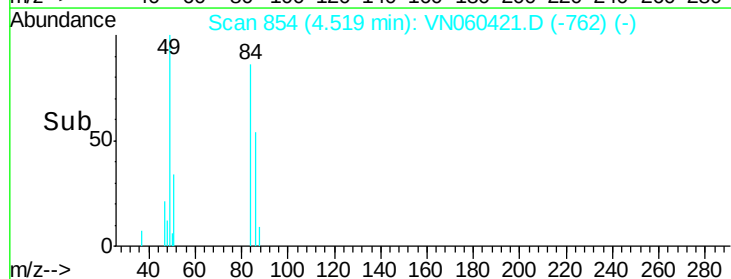
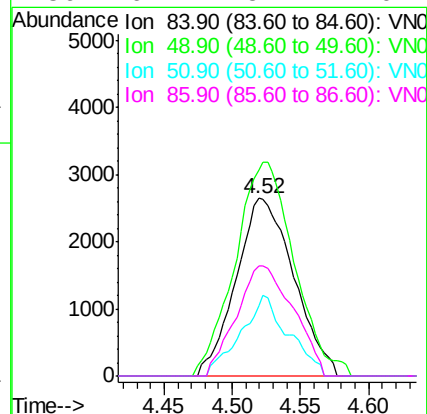
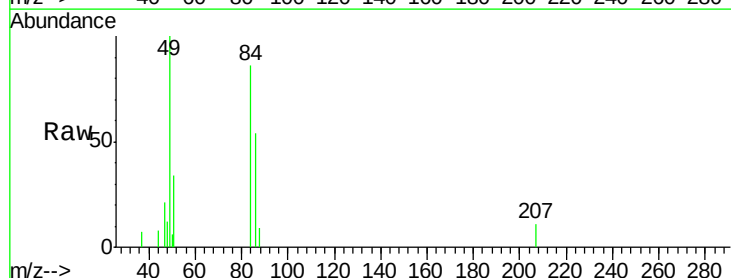
Ion Ratio Lower Upper

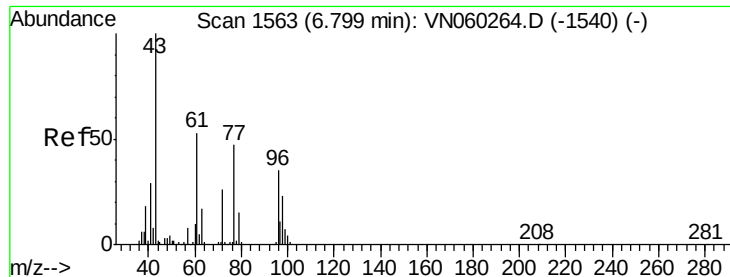
84 100

49 116.0 99.3 148.9

51 39.5 30.1 45.1

86 62.1 51.1 76.7

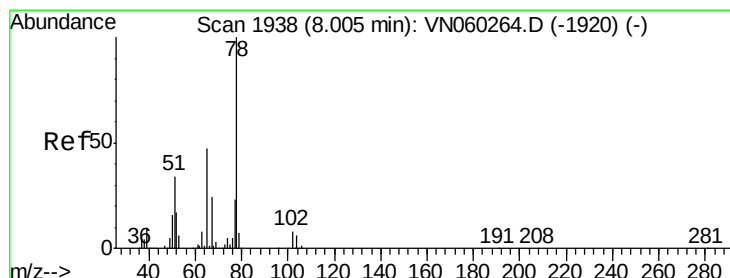
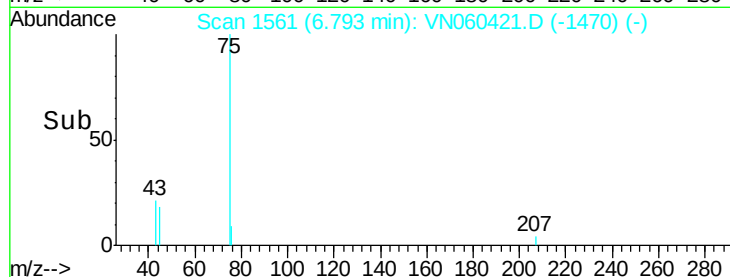
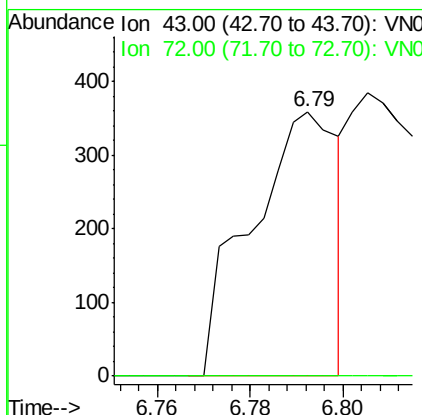
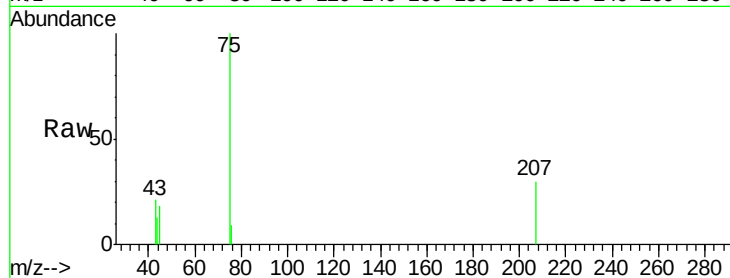




#25
 2-Butanone
 Concen: 0.339 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN060421.D
 Acq: 10 Mar 2020 16:54

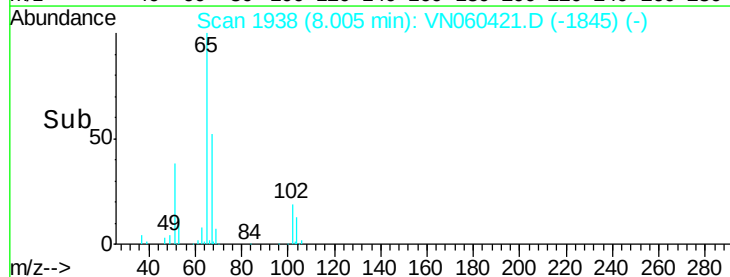
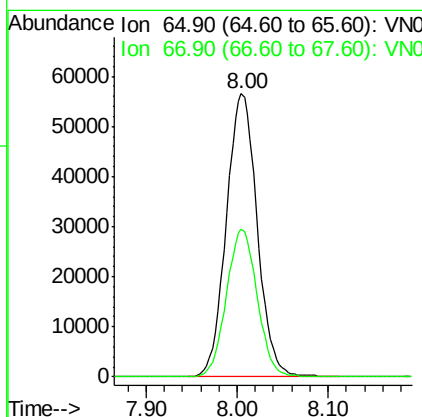
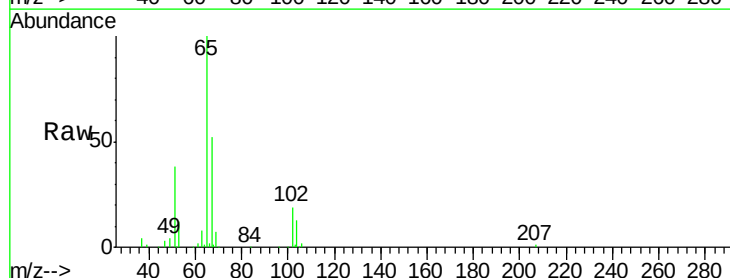
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#16

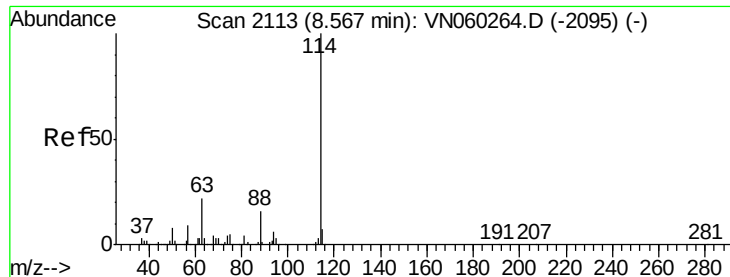
Tgt Ion: 43 Resp: 465
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 50.744 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060421.D
 Acq: 10 Mar 2020 16:54

Tgt Ion: 65 Resp: 133298
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8

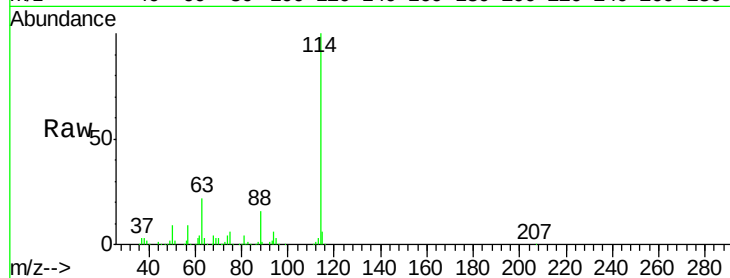




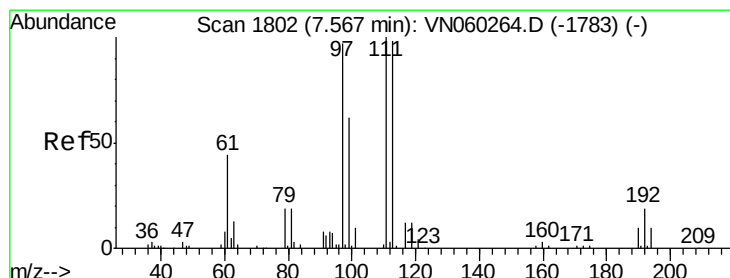
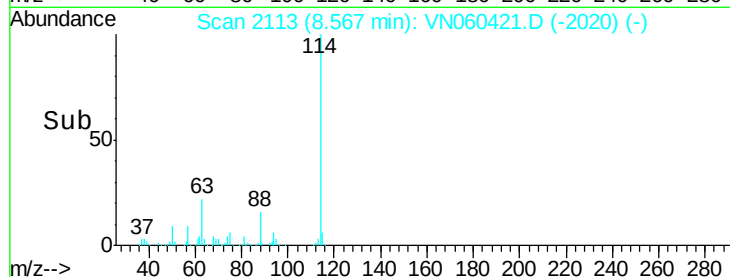
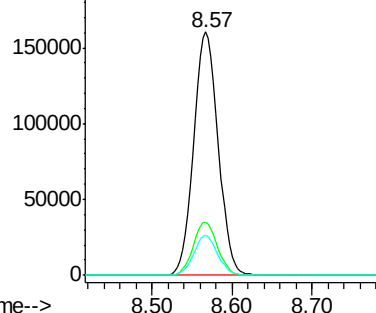
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060421.D
 Acq: 10 Mar 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#16

Tgt Ion:114 Resp: 336869
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.5 0.0 31.6

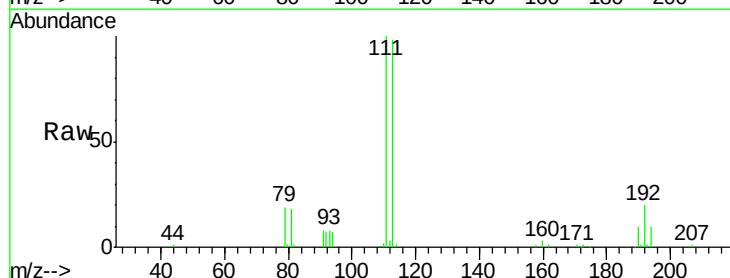


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

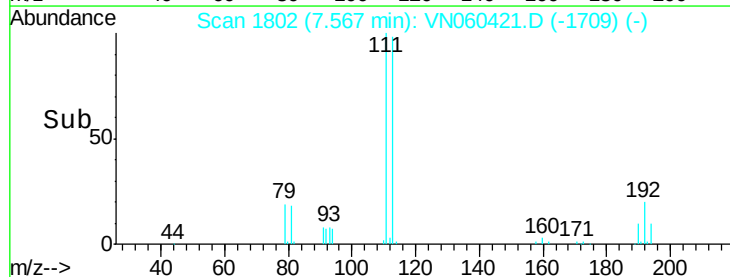
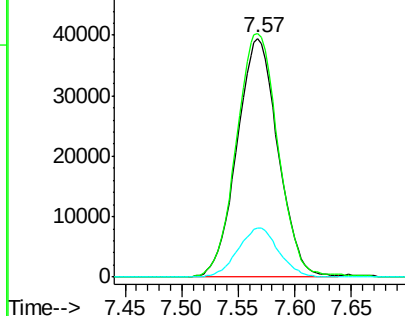


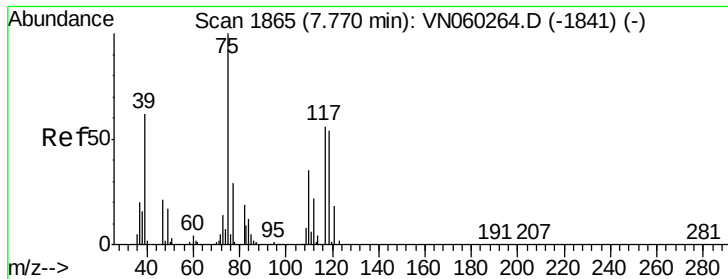
#35
 Dibromofluoromethane
 Concen: 63.649 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060421.D
 Acq: 10 Mar 2020 16:54

Tgt Ion:113 Resp: 99524
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.4 123.6
 192 20.5 16.2 24.2



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

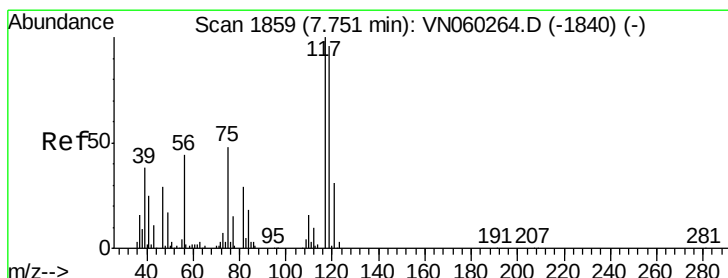
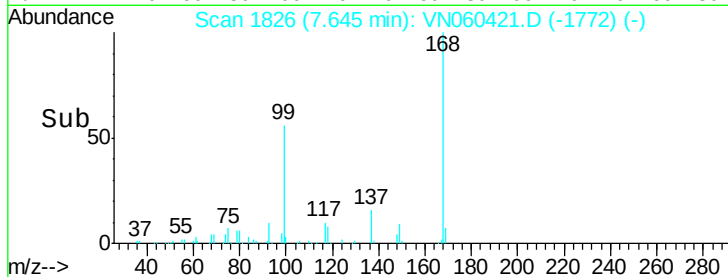
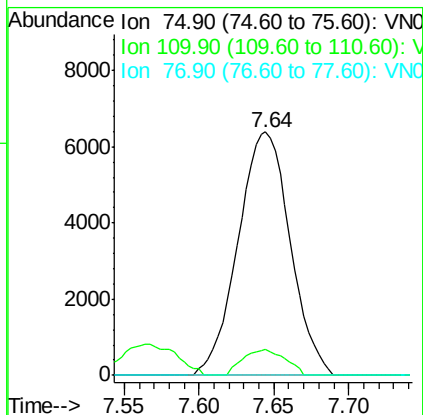
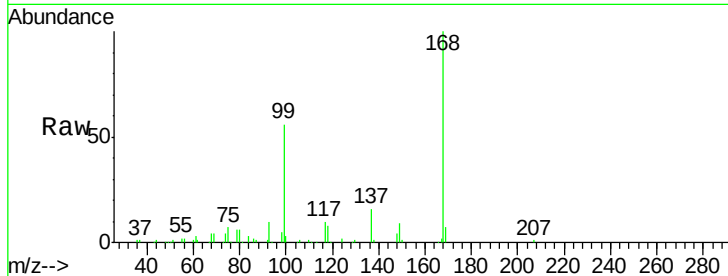




#36
 1,1-Dichloropropene
 Concen: 4.811 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060421.D
 Acq: 10 Mar 2020 16:54

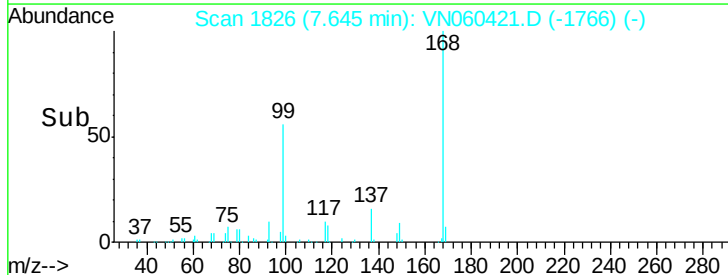
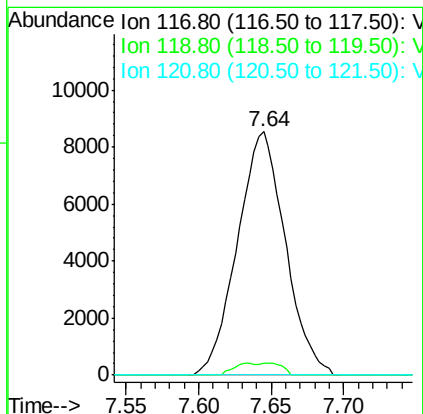
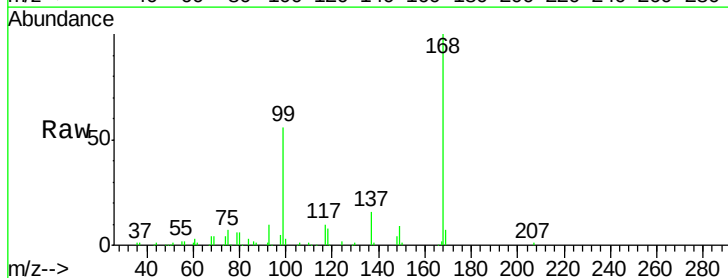
Instrument :
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 ClientSampleId :
 PB127392ZHE#16

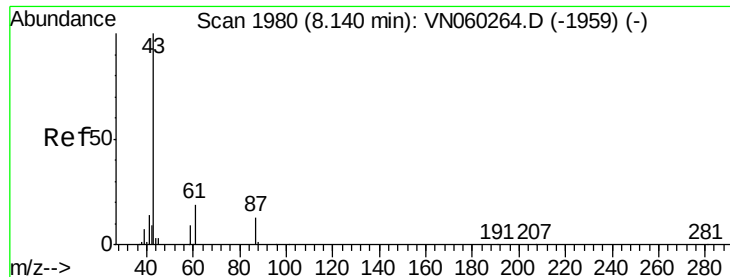
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.267 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060421.D
 Acq: 10 Mar 2020 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.7	115.1#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

Concen: 10.735 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#16

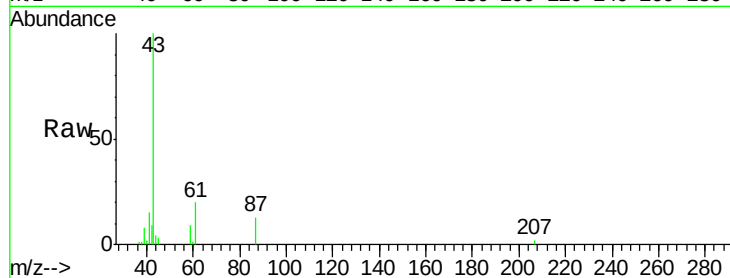
Tgt Ion: 43 Resp: 57133

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

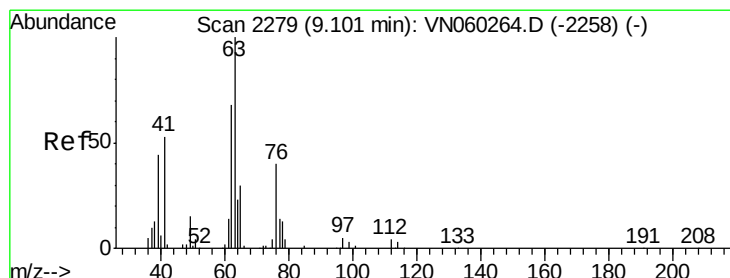
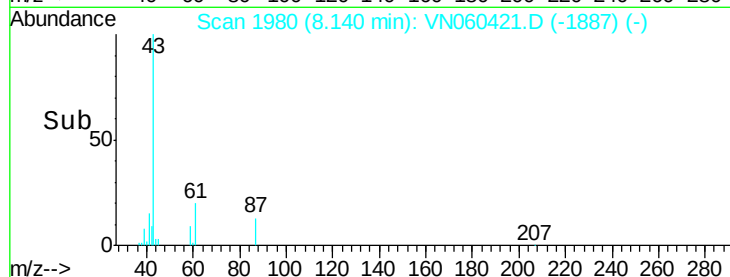
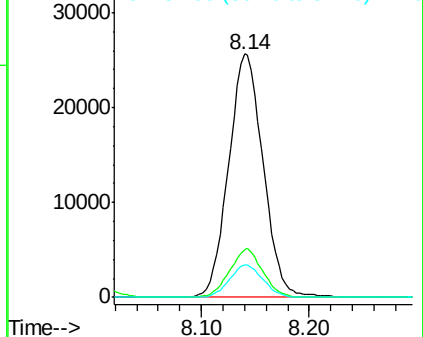
87 12.8 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060421.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060421.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060421.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.441 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060421.D

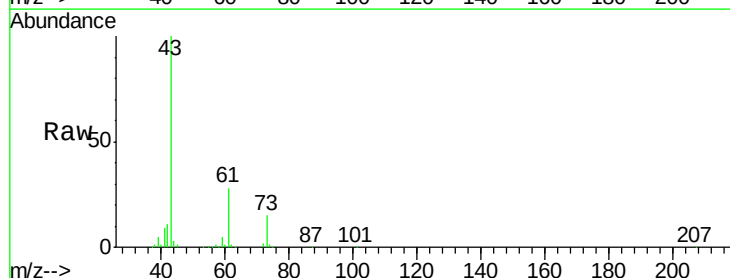
Acq: 10 Mar 2020 16:54

Tgt Ion: 63 Resp: 1078

Ion Ratio Lower Upper

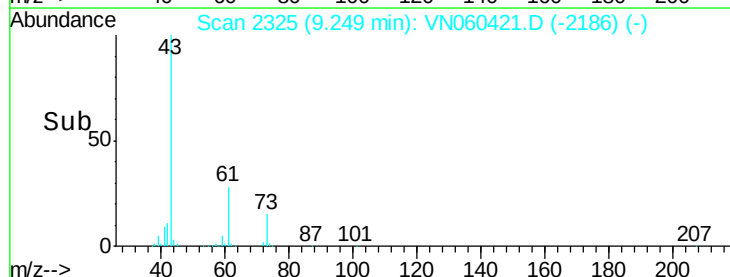
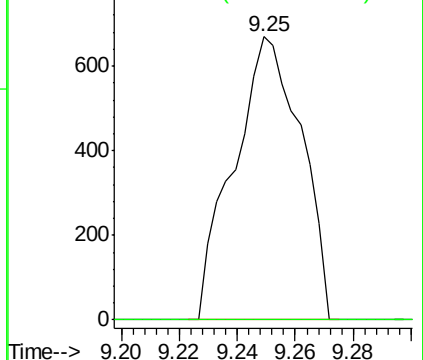
63 100

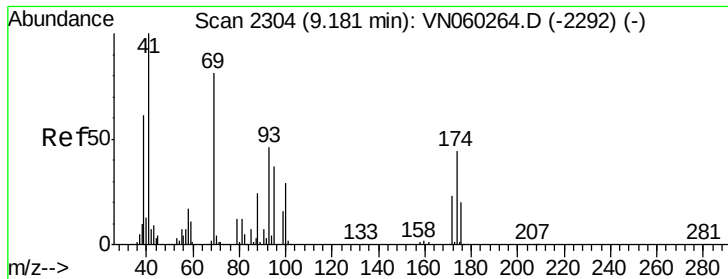
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060421.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060421.D (-2186) (-)

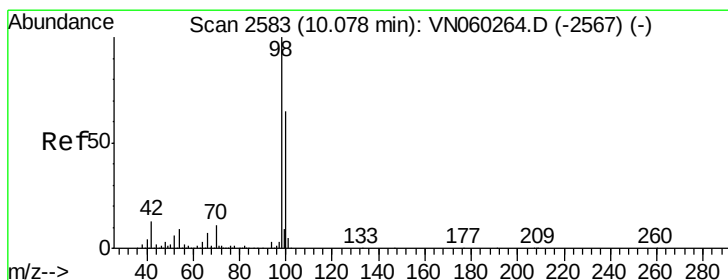
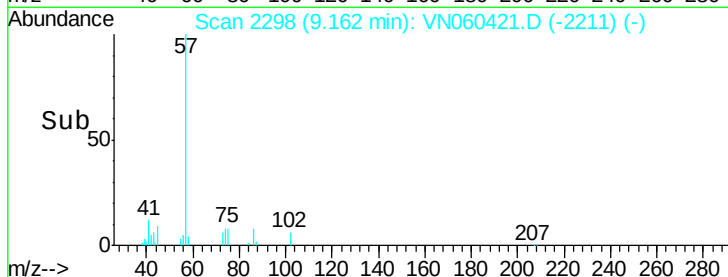
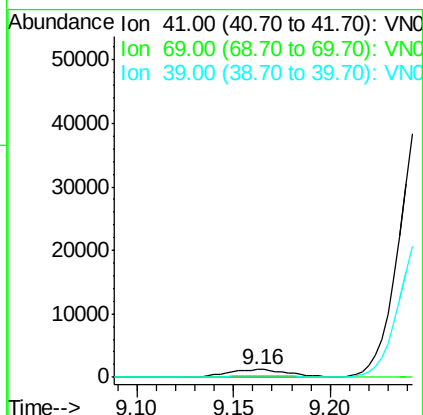
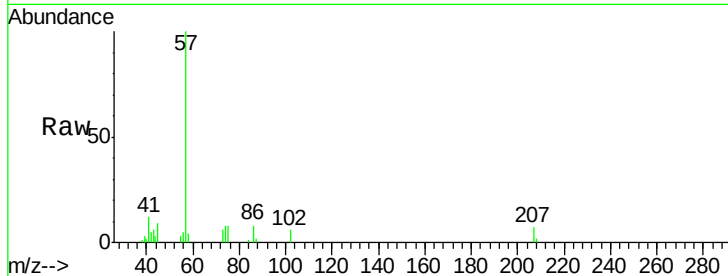




#48
Methyl methacrylate
Concen: 1.126 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060421.D
Acq: 10 Mar 2020 16:54

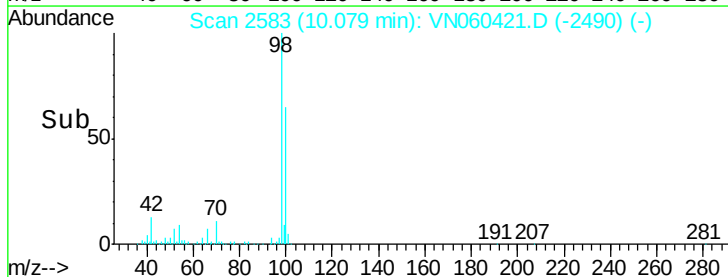
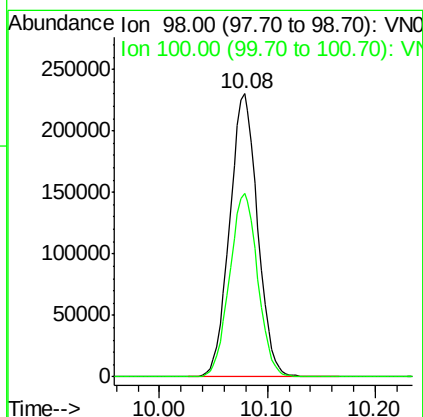
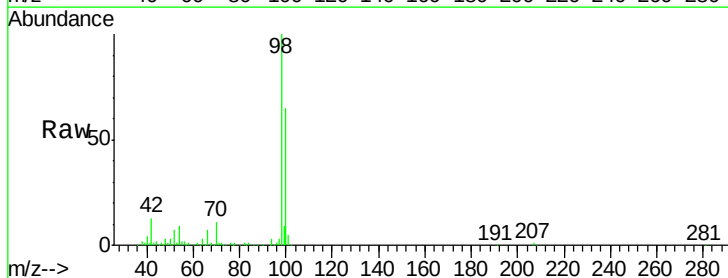
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#16

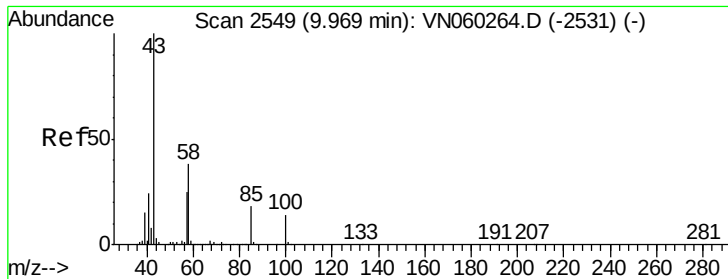
Tgt Ion: 41 Resp: 2733
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.573 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060421.D
Acq: 10 Mar 2020 16:54

Tgt Ion: 98 Resp: 416050
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2

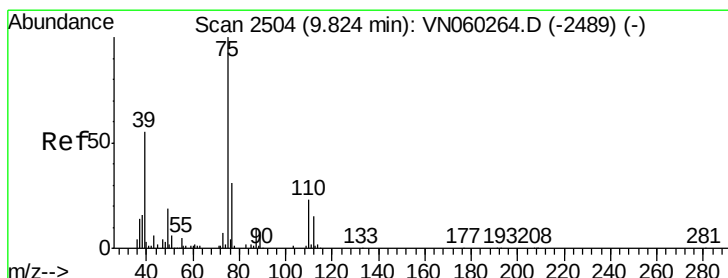
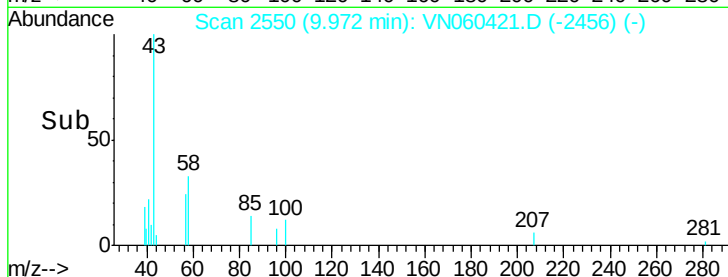
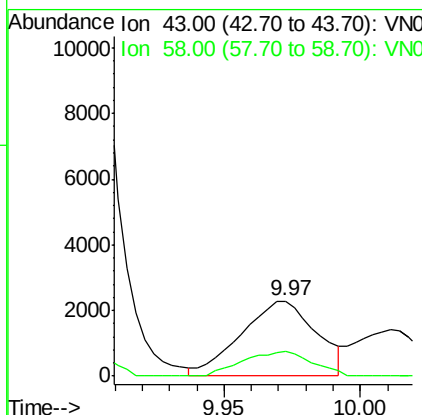
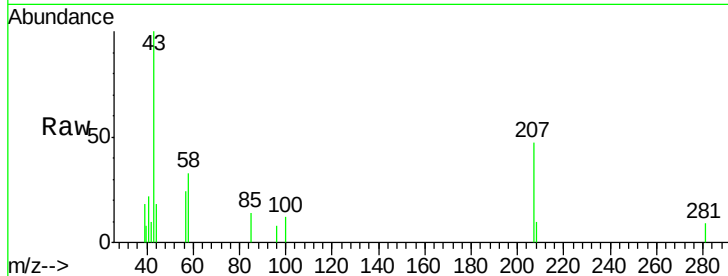




#51
 4-Methyl-2-Pentanone
 Concen: 1.452 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060421.D
 Acq: 10 Mar 2020 16:54

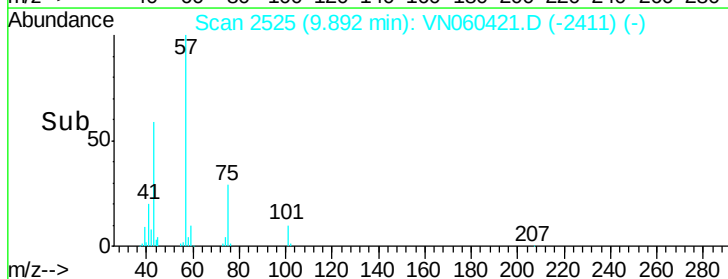
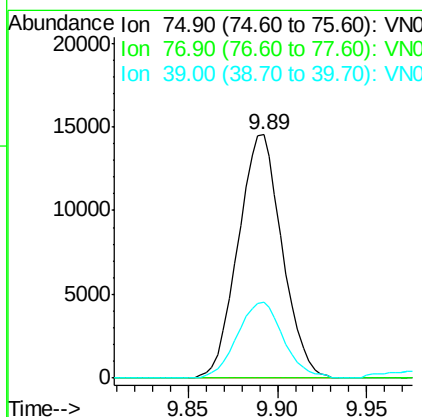
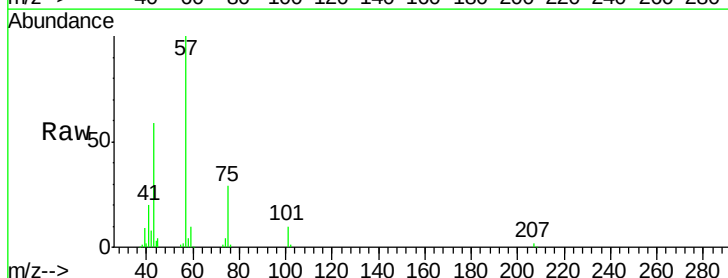
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#16

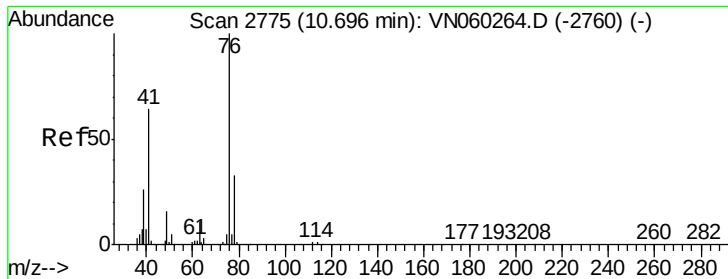
Tgt Ion: 43 Resp: 4381
 Ion Ratio Lower Upper
 43 100
 58 30.3 30.9 46.3#



#54
 cis-1,3-Dichloropropene
 Concen: 6.115 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060421.D
 Acq: 10 Mar 2020 16:54

Tgt Ion: 75 Resp: 25034
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 31.0 43.8 65.8#





#57

1,3-Dichloropropane

Concen: 1.069 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

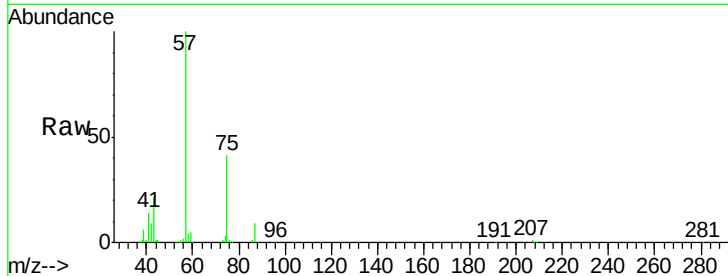
PB127392ZHE#16

Tgt Ion: 76 Resp: 4114

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

3000

2500

2000

1500

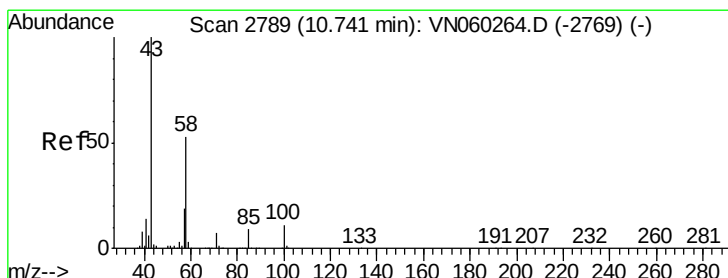
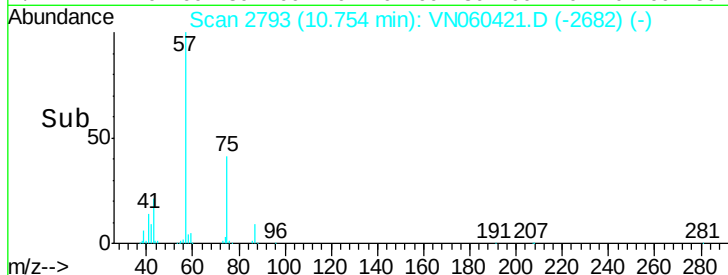
1000

500

0

10.70 10.75 10.80

Time-->



#59

2-Hexanone

Concen: 27.495 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060421.D

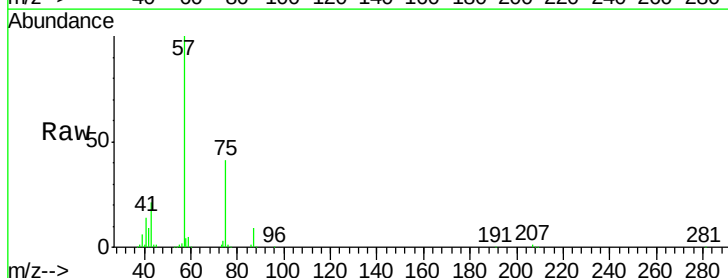
Acq: 10 Mar 2020 16:54

Tgt Ion: 43 Resp: 60916

Ion Ratio Lower Upper

43 100

58 19.1 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

40000

30000

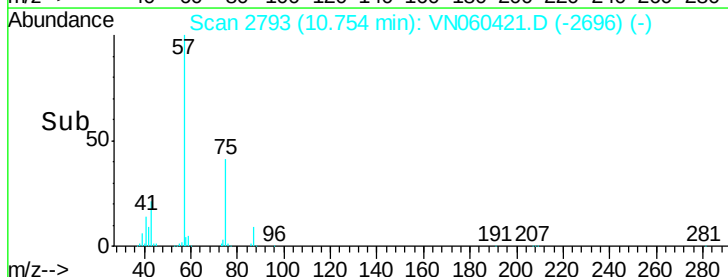
20000

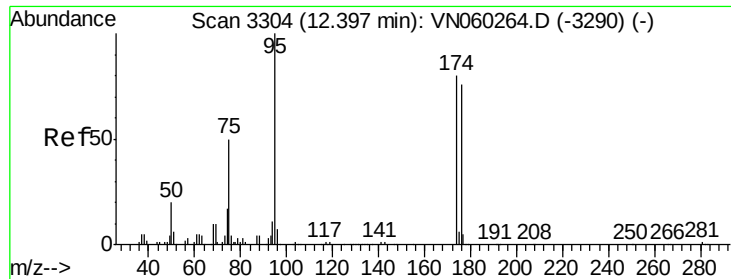
10000

0

10.70 10.75 10.80

Time-->





#62

4-Bromofluorobenzene

Concen: 52.475 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#16

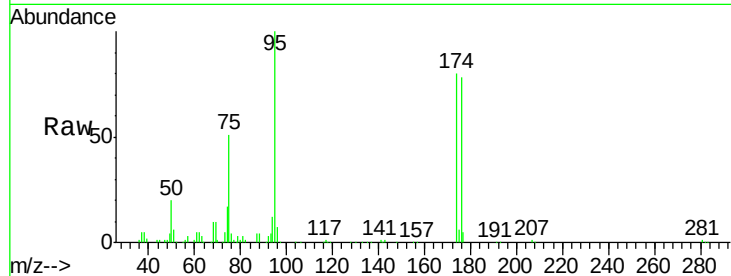
Tgt Ion: 95 Resp: 157420

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.2

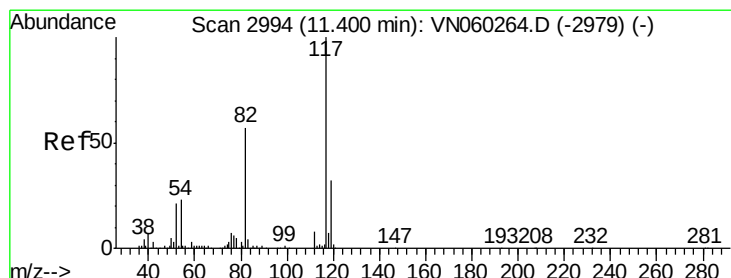
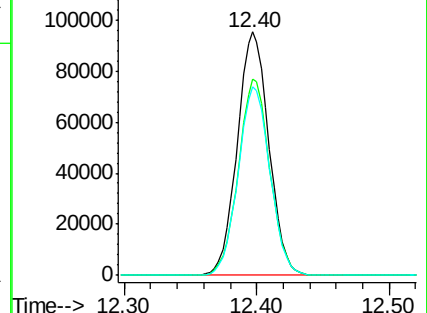
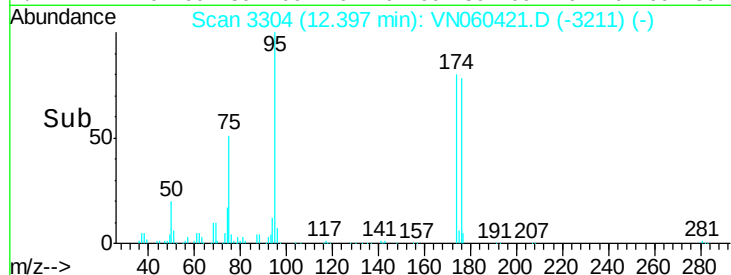
176 78.0 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060421.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060421.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060421.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

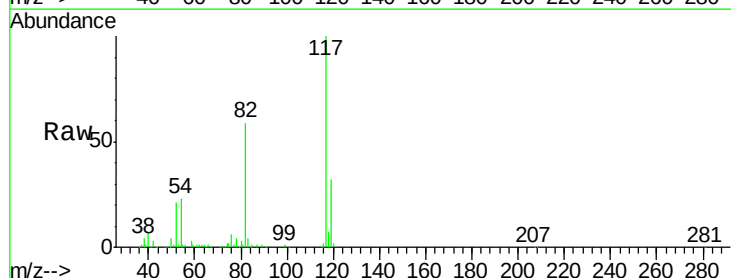
Tgt Ion: 117 Resp: 321622

Ion Ratio Lower Upper

117 100

82 58.9 45.8 68.6

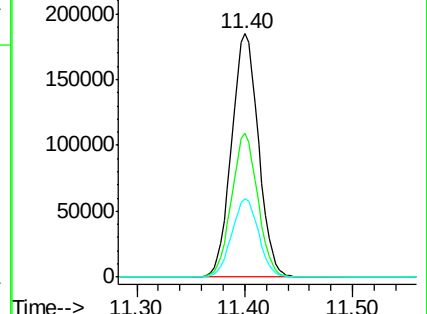
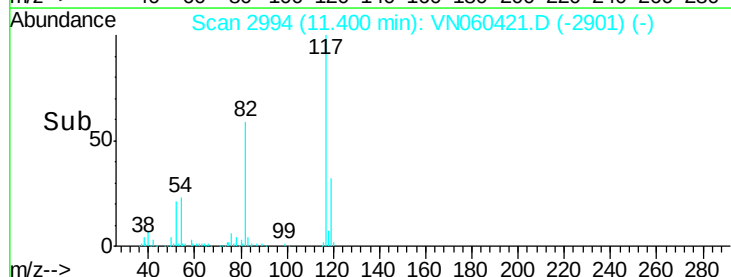
119 32.2 25.8 38.8

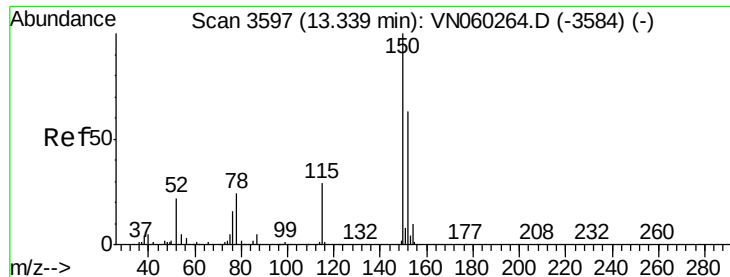


Abundance Ion 116.90 (116.60 to 117.60): VN060421.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060421.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060421.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#16

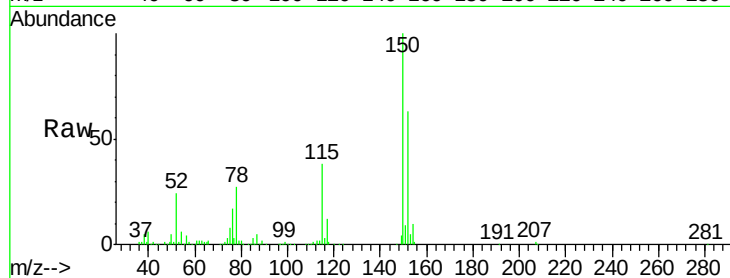
Tgt Ion:152 Resp: 152118

Ion Ratio Lower Upper

152 100

115 58.7 30.0 90.0

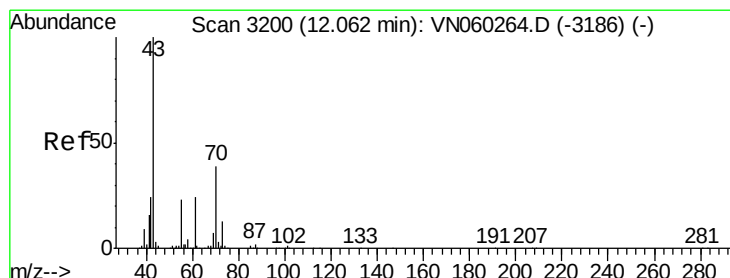
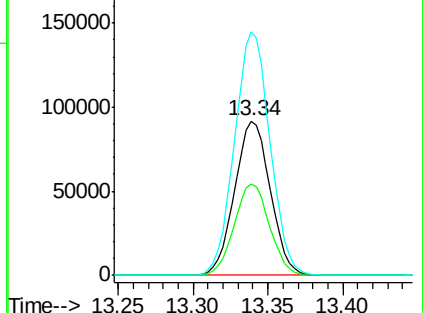
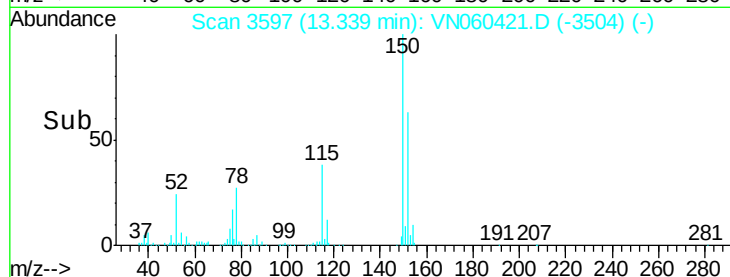
150 157.4 0.0 349.6



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: 0.648 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Tgt Ion: 43 Resp: 3193

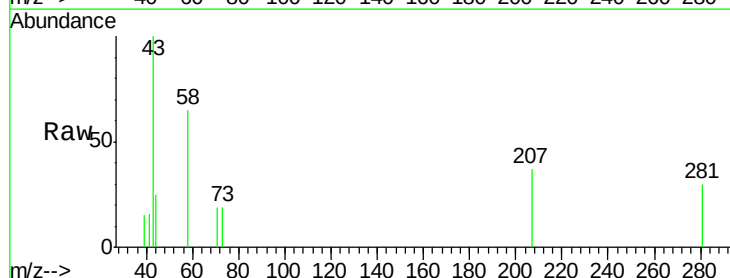
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

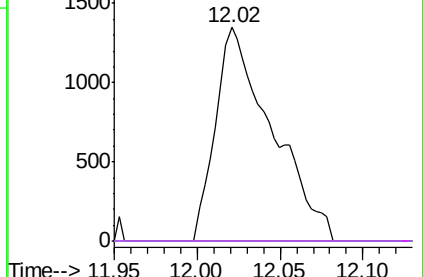
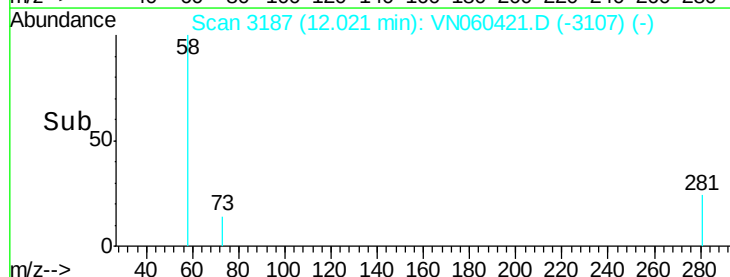


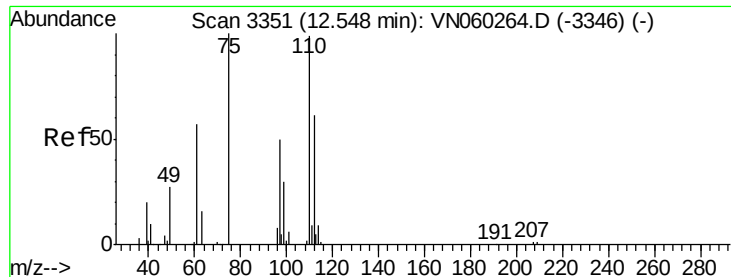
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.370 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

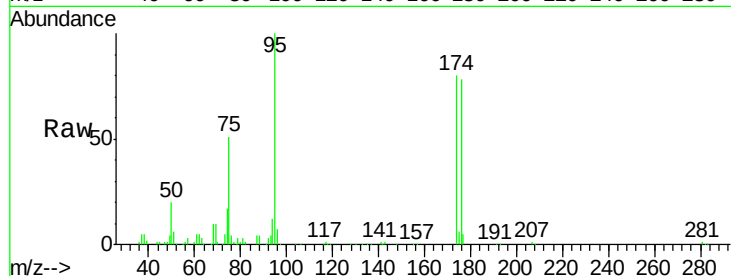
PB127392ZHE#16

Tgt Ion: 75 Resp: 81336

Ion Ratio Lower Upper

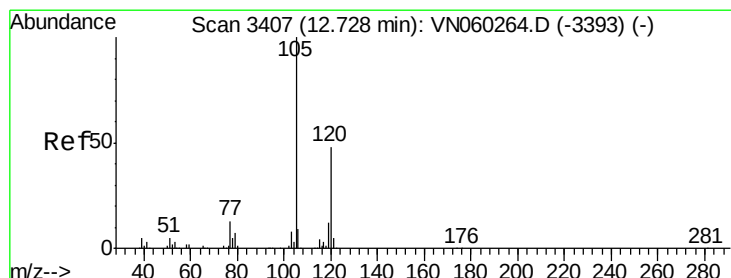
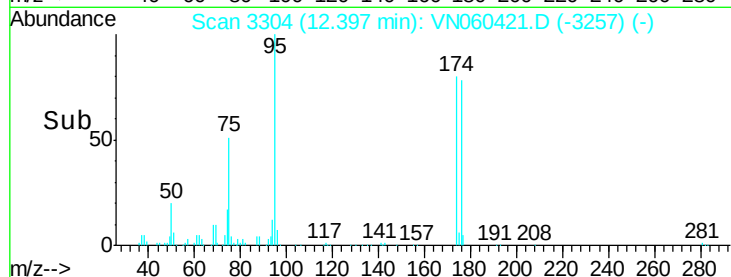
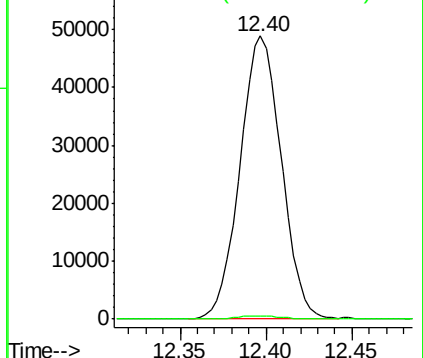
75 100

77 1.1 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: 0.638 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060421.D

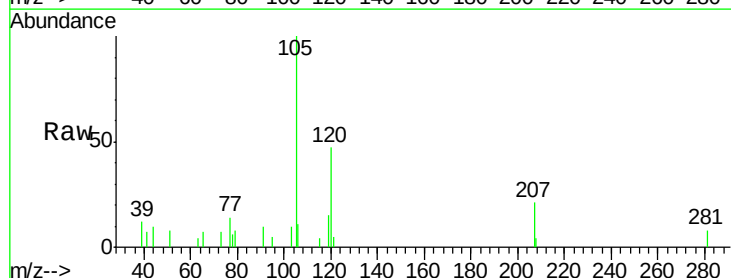
Acq: 10 Mar 2020 16:54

Tgt Ion: 105 Resp: 6057

Ion Ratio Lower Upper

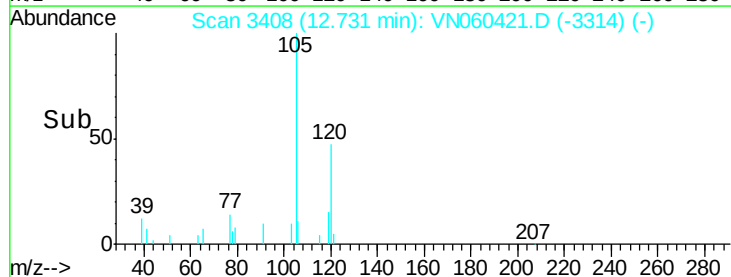
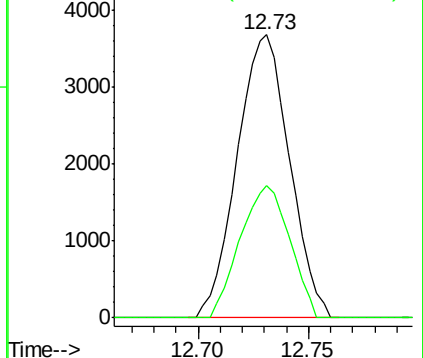
105 100

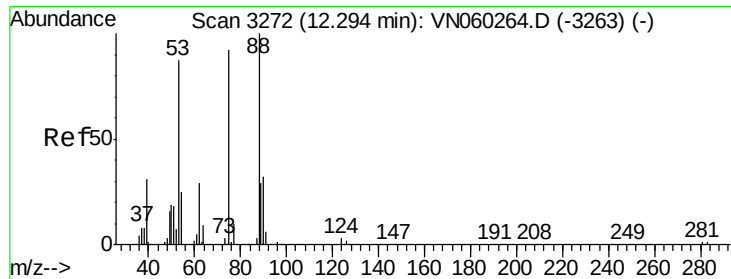
120 44.1 24.1 72.4



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: 67.274 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#16

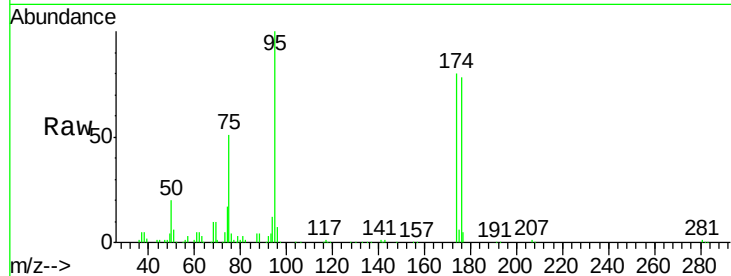
Tgt Ion: 75 Resp: 81336

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

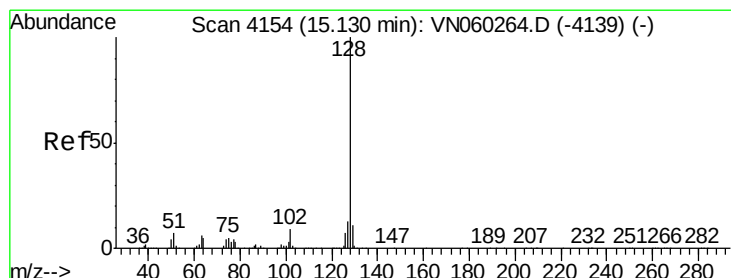
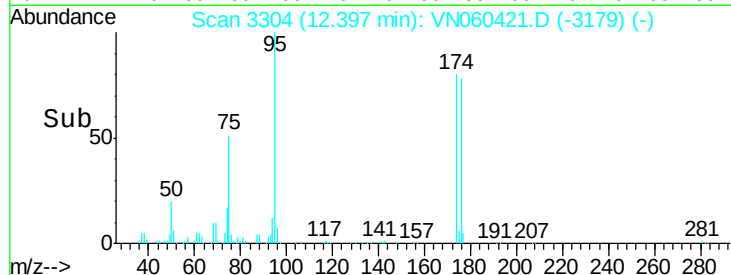
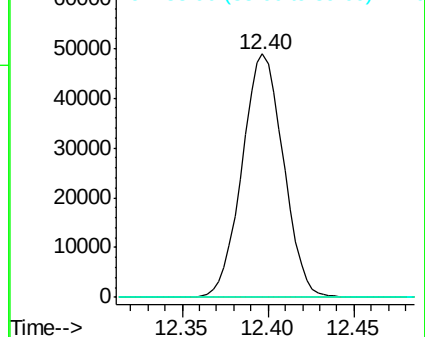
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060421.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060421.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060421.D (-3179) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060421.D

Acq: 10 Mar 2020 16:54

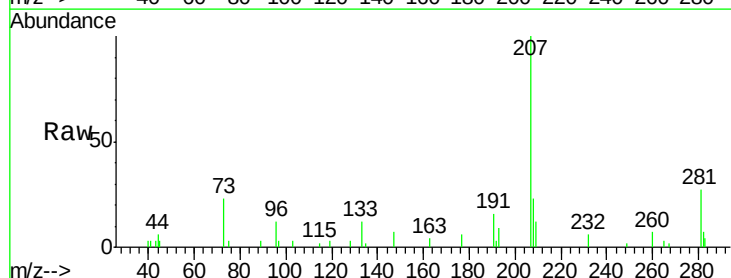
Tgt Ion: 128 Resp: 131

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN060421.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN060421.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN060421.D (-4060) (-)

