

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060419.D
 Acq On : 10 Mar 2020 16:09
 Operator : JC/MD
 Sample : PB127392ZHE#14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#14

Quant Time: Mar 11 06:41:42 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	207436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	338082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147266	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	131800	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.57	113	99520	63.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.84%	
50) Toluene-d8	10.08	98	417842	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.40	95	154920	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

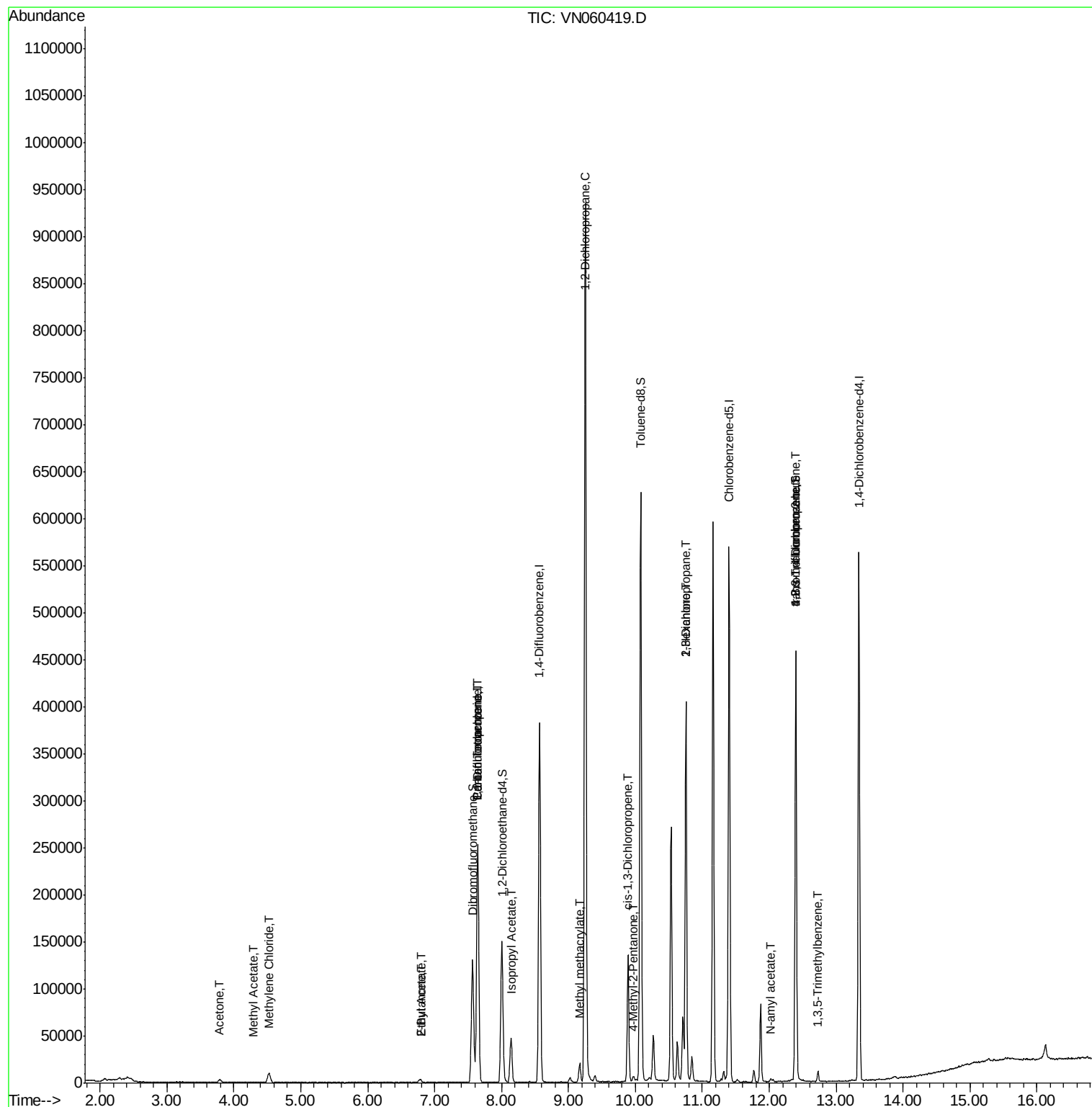
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6401	7.448	ug/l	100
18) Methyl Acetate	4.29	43	1698	0.592	ug/l #	52
20) Methylene Chloride	4.53	84	7842	3.322	ug/l	95
25) 2-Butanone	6.81	43	1198	0.863	ug/l #	49
31) Cyclohexane	7.64	56	4425	Below Cal	#	11
36) 1,1-Dichloropropene	7.64	75	16163	5.016	ug/l #	49
37) Ethyl Acetate	6.81	43	1198	0.393	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19899	6.343	ug/l #	16
43) Isopropyl Acetate	8.14	43	56808	10.636	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1045	0.426	ug/l #	44
48) Methyl methacrylate	9.16	41	2743	1.126	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4675	1.544	ug/l #	86
54) cis-1,3-Dichloropropene	9.89	75	24209	5.892	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	4026	1.042	ug/l #	42
59) 2-Hexanone	10.75	43	60138	27.047	ug/l #	53
74) N-amyl acetate	12.02	43	3447	0.723	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	80765	24.997	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5893	0.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	80765	69.003	ug/l #	8
95) Naphthalene	15.14	128	139	Below Cal	#	69

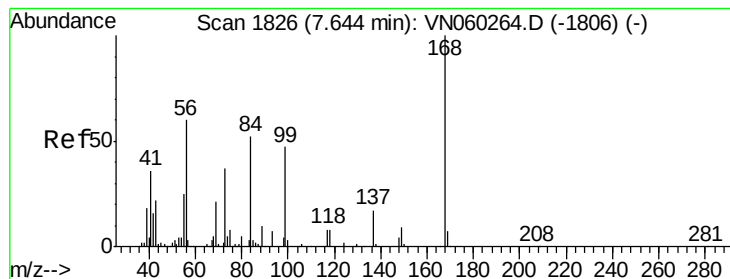
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 27 13:52:50 2020
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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: VN060419.D

Acq: 10 Mar 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

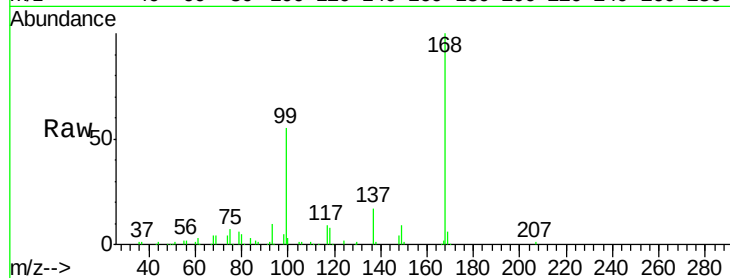
PB127392ZHE#14

Tgt Ion:168 Resp: 207436

Ion Ratio Lower Upper

168 100

99 55.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

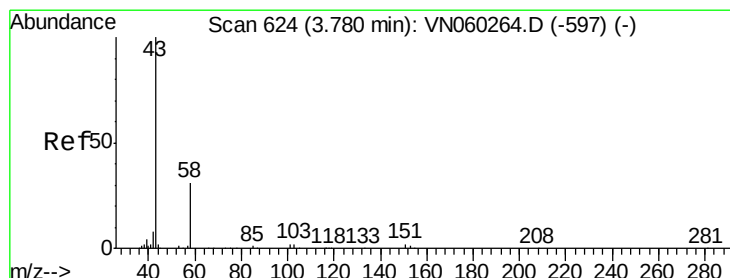
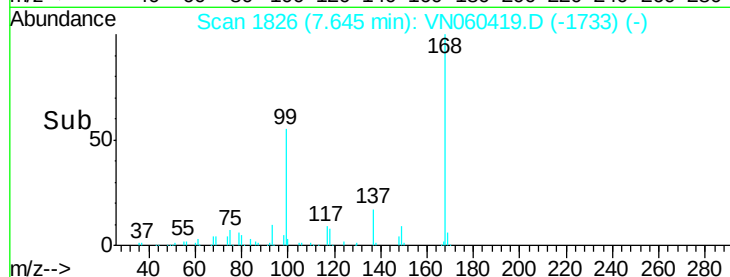
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 7.448 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060419.D

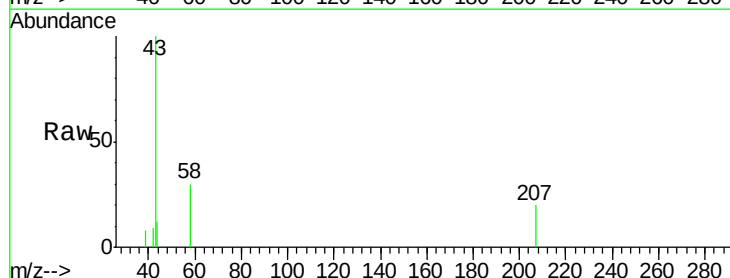
Acq: 10 Mar 2020 16:09

Tgt Ion: 43 Resp: 6401

Ion Ratio Lower Upper

43 100

58 30.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

2500

2000

1500

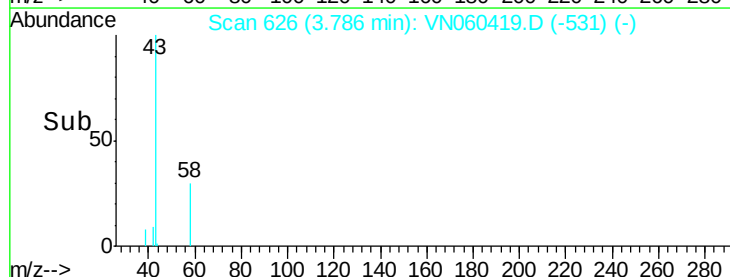
1000

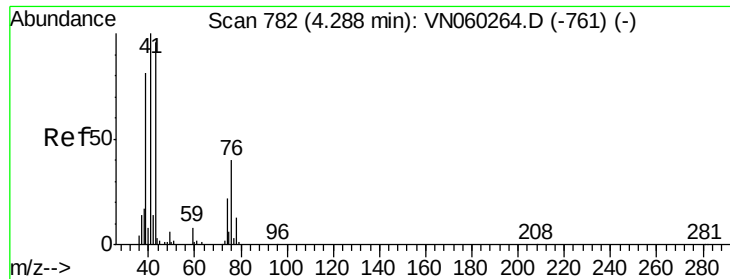
500

0

3.70 3.75 3.80 3.85

Time-->

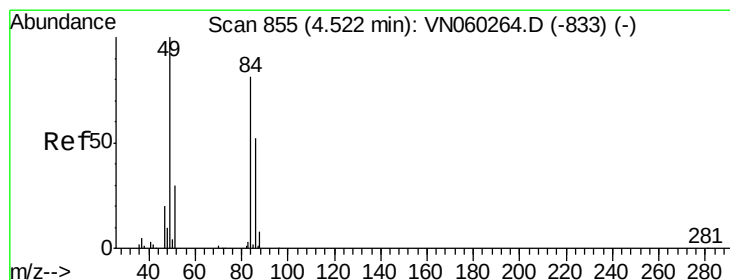
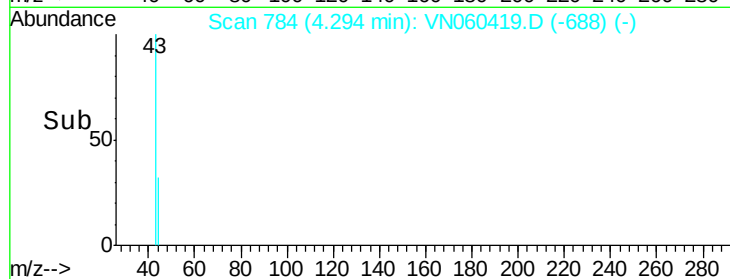
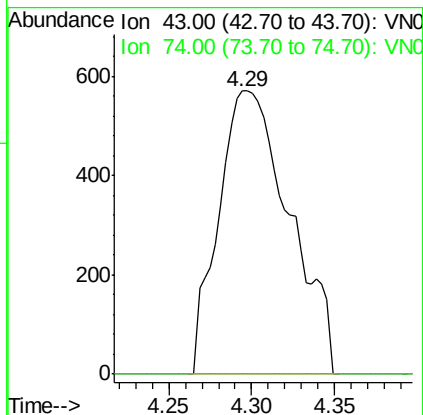
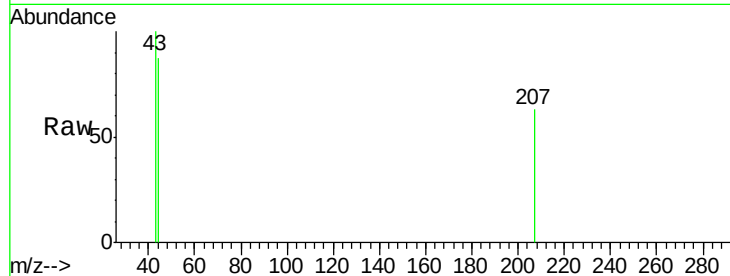




#18
Methyl Acetate
Concen: 0.592 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060419.D
Acq: 10 Mar 2020 16:09

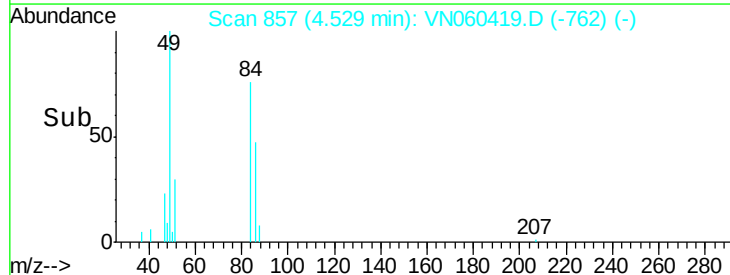
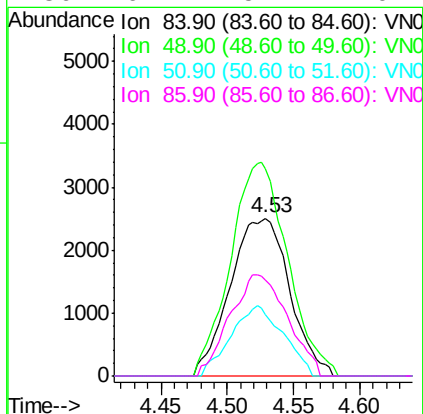
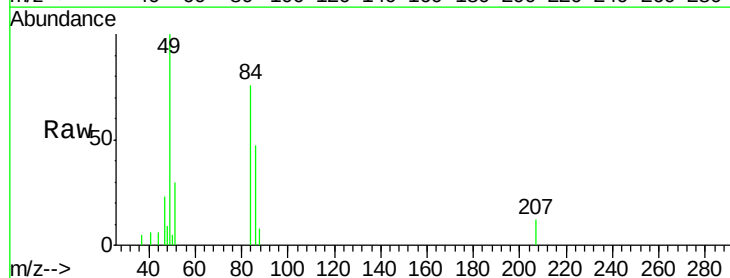
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#14

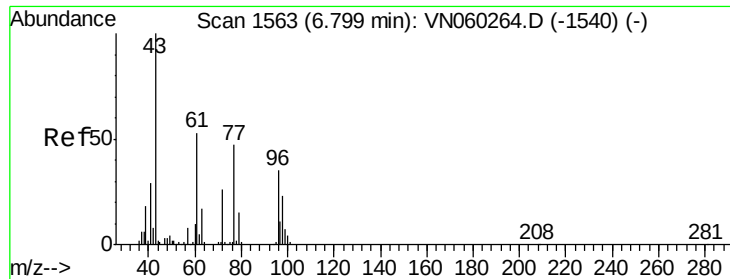
Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 3.322 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060419.D
Acq: 10 Mar 2020 16:09

Tgt Ion: 84 Resp: 7842
Ion Ratio Lower Upper
84 100
49 131.5 99.3 148.9
51 38.9 30.1 45.1
86 61.2 51.1 76.7

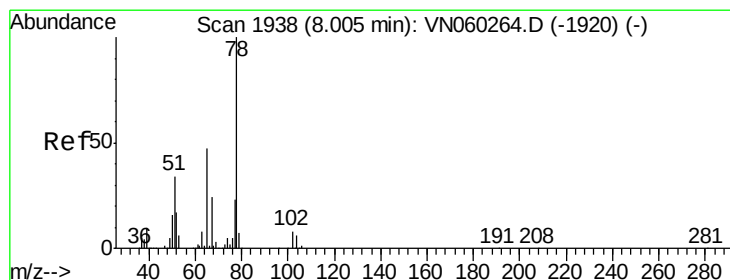
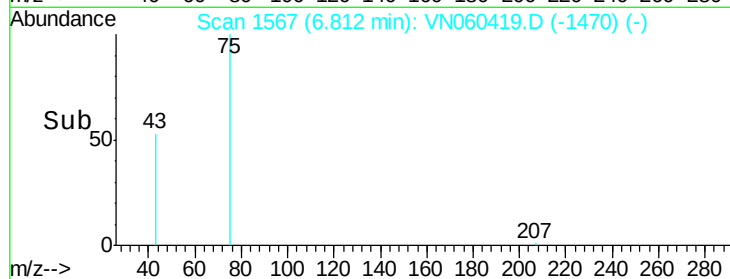
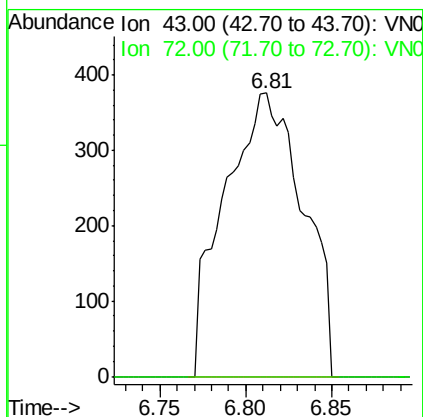
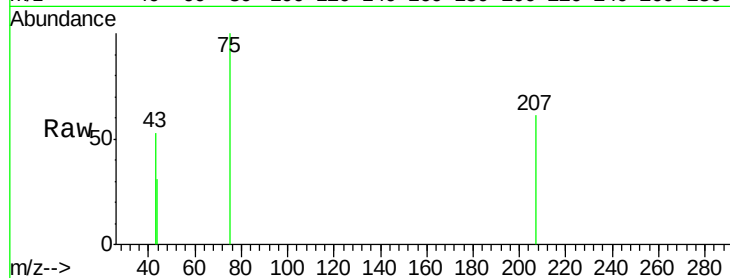




#25
 2-Butanone
 Concen: 0.863 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN060419.D
 Acq: 10 Mar 2020 16:09

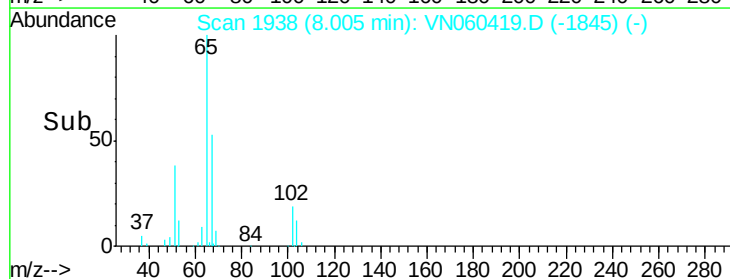
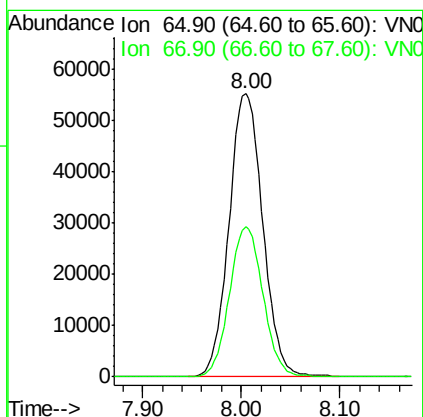
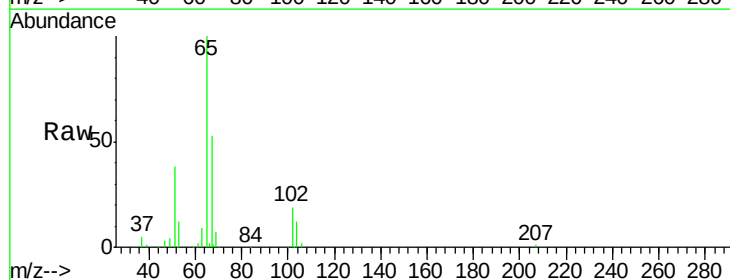
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#14

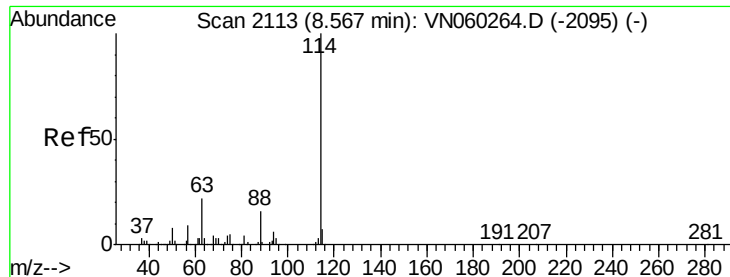
Tgt Ion: 43 Resp: 1198
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 49.522 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060419.D
 Acq: 10 Mar 2020 16:09

Tgt Ion: 65 Resp: 131800
 Ion Ratio Lower Upper
 65 100
 67 52.6 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: VN060419.D

Acq: 10 Mar 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#14

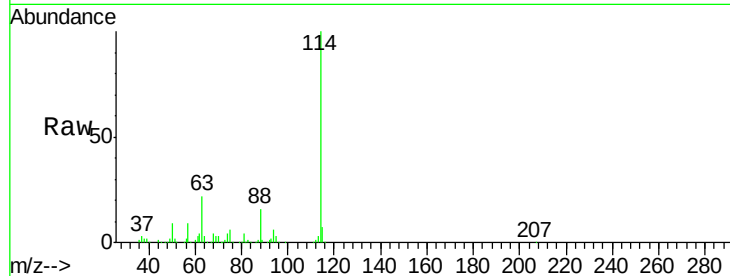
Tgt Ion:114 Resp: 338082

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.2

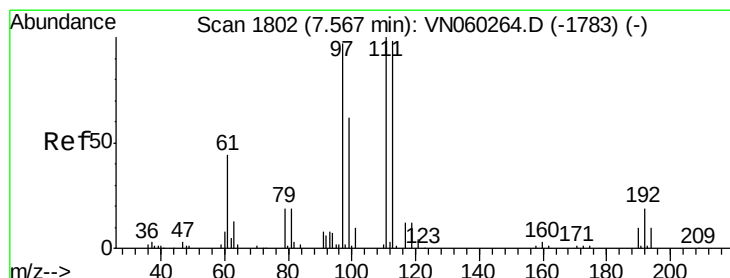
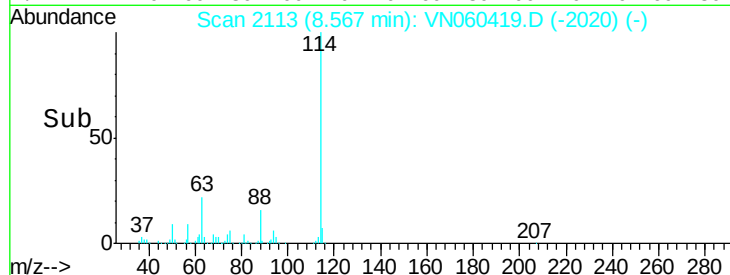
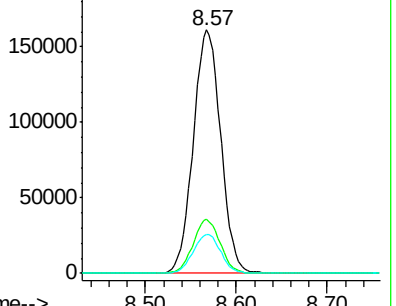
88 16.0 0.0 31.6



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: 63.418 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060419.D

Acq: 10 Mar 2020 16:09

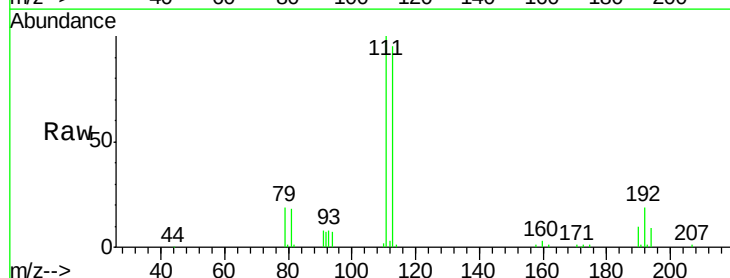
Tgt Ion:113 Resp: 99520

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

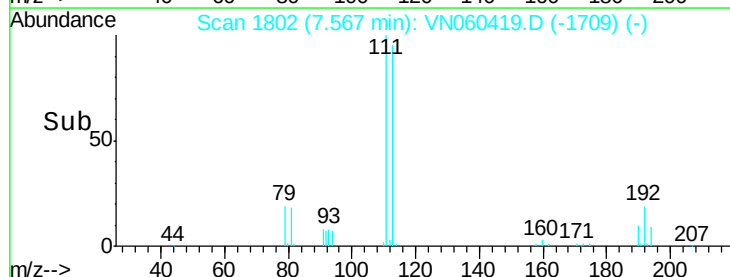
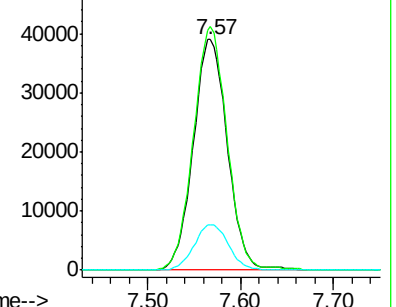
192 19.8 16.2 24.2

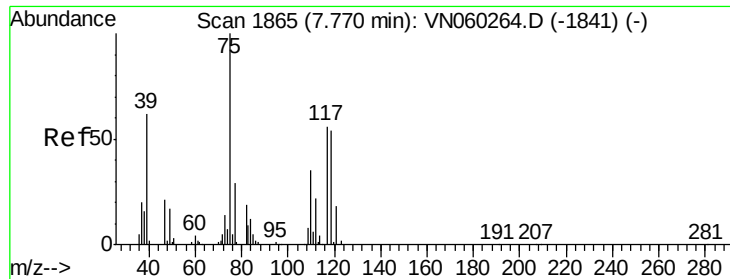


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.016 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060419.D

Acq: 10 Mar 2020 16:09

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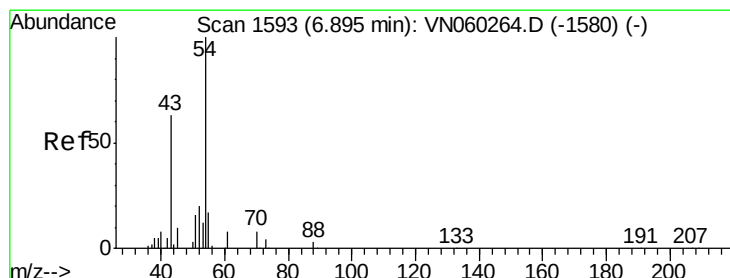
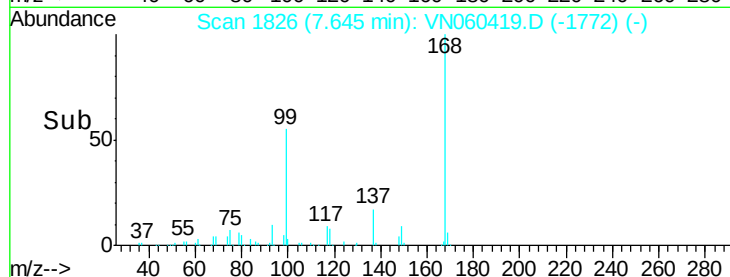
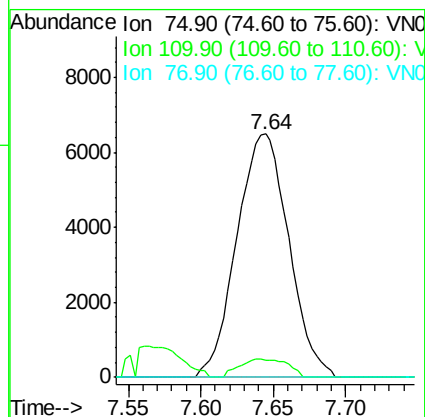
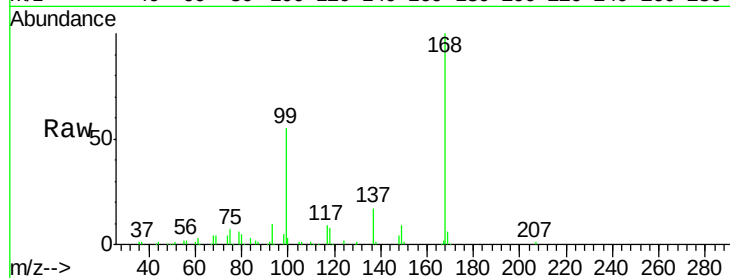
Tgt Ion: 75 Resp: 16163

Ion Ratio Lower Upper

75 100

110 7.0 17.3 52.0#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 0.393 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN060419.D

Acq: 10 Mar 2020 16:09

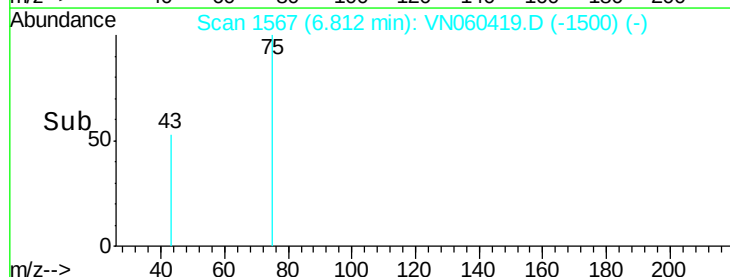
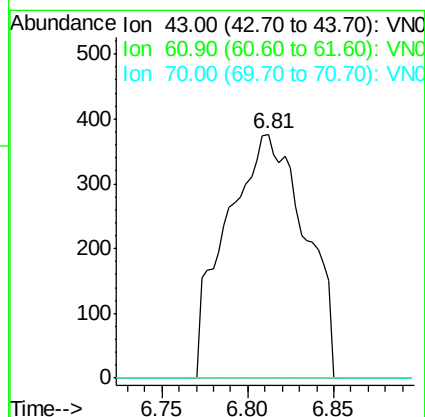
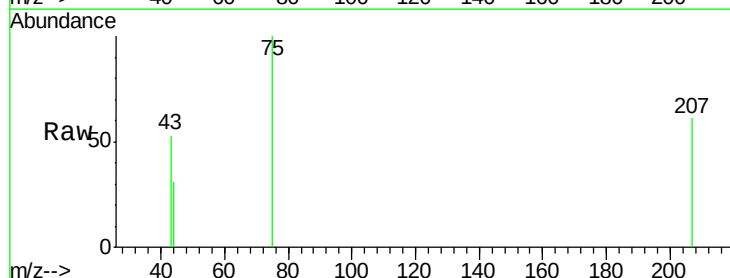
Tgt Ion: 43 Resp: 1198

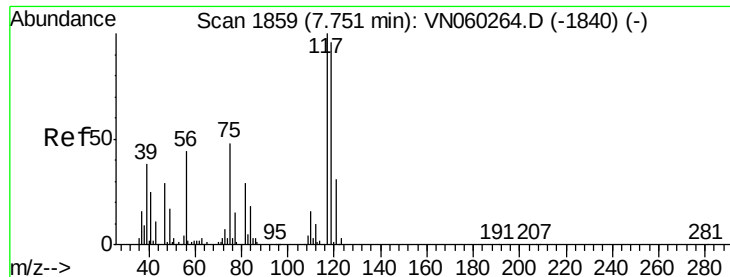
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.343 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060419.D

Acq: 10 Mar 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#14

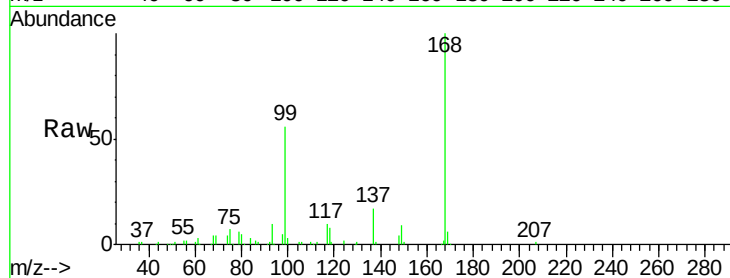
Tgt Ion:117 Resp: 19899

Ion Ratio Lower Upper

117 100

119 5.4 76.7 115.1#

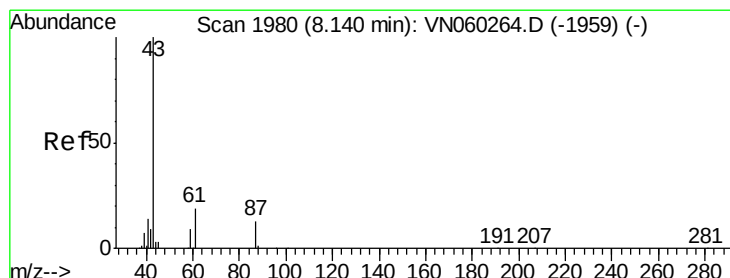
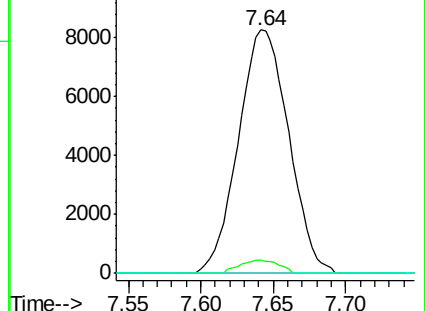
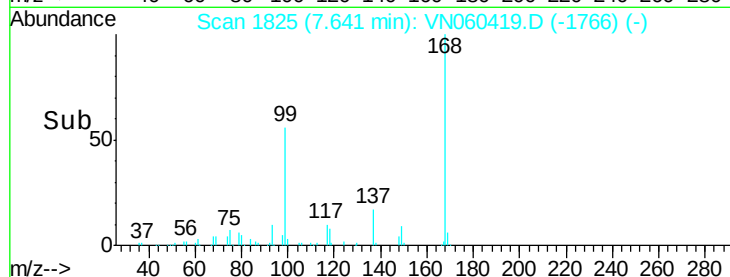
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.636 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060419.D

Acq: 10 Mar 2020 16:09

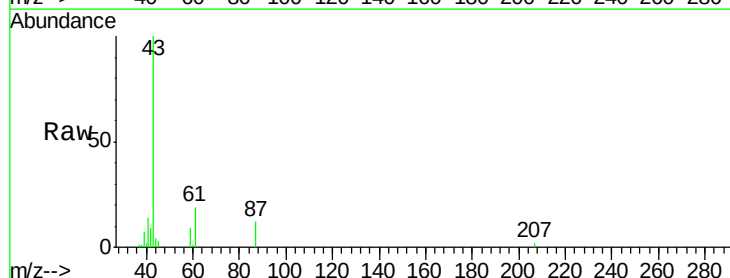
Tgt Ion: 43 Resp: 56808

Ion Ratio Lower Upper

43 100

61 18.8 20.9 31.3#

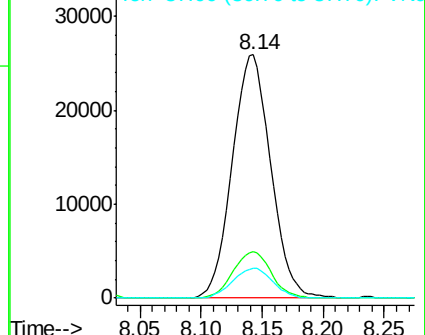
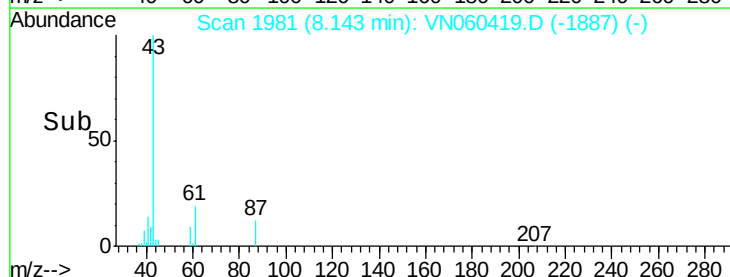
87 12.5 10.6 16.0

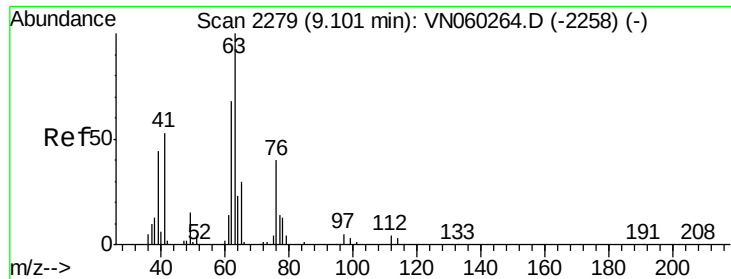


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

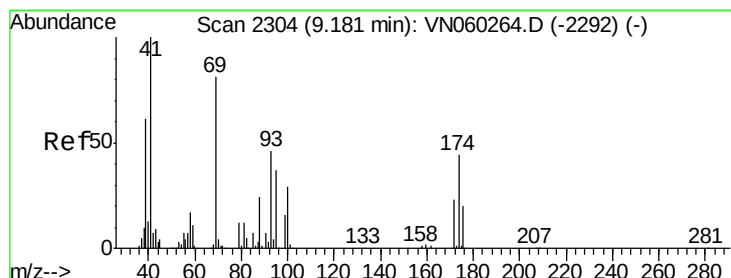
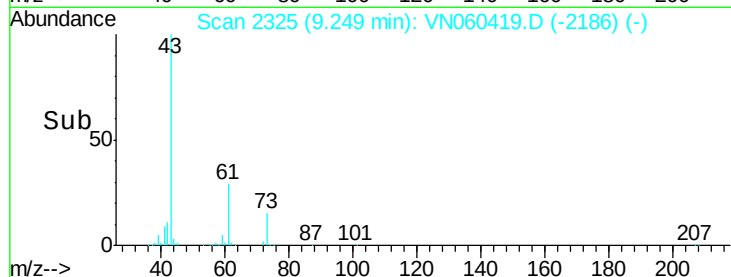
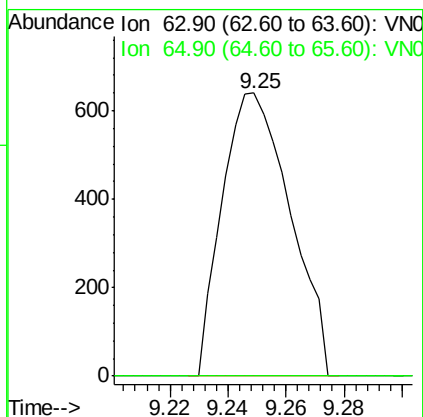
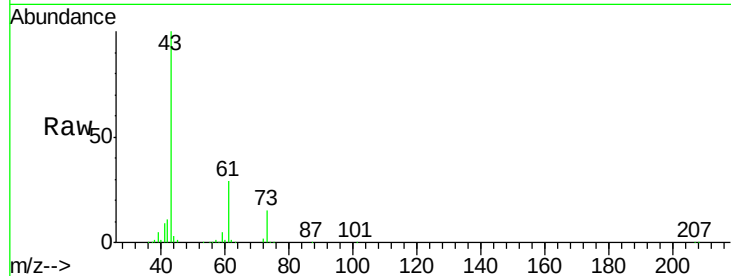




#45
 1,2-Dichloropropane
 Concen: 0.426 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060419.D
 Acq: 10 Mar 2020 16:09

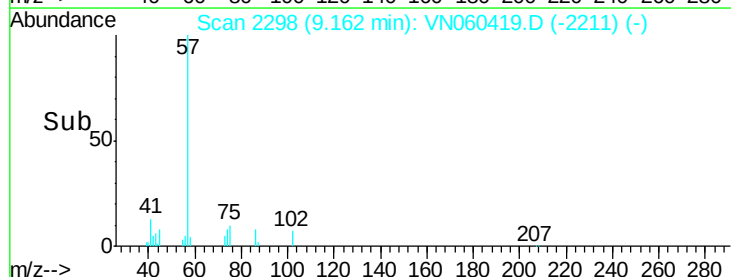
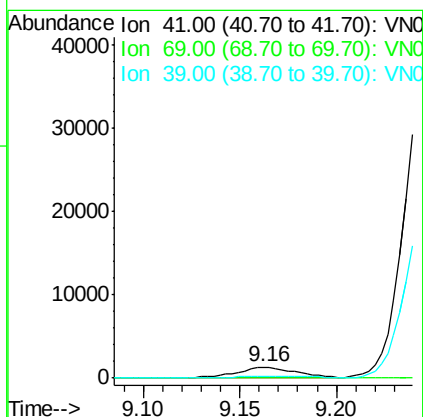
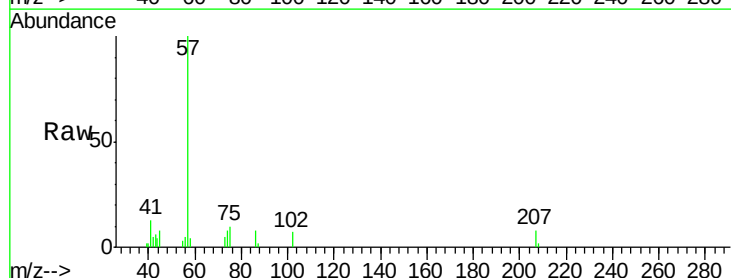
Instrument :
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 PB127392ZHE#14

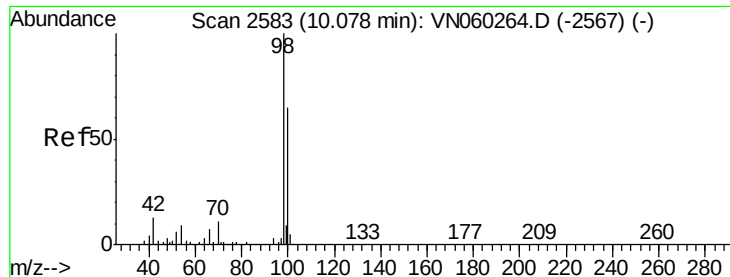
Tgt Ion: 63 Resp: 1045
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.126 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060419.D
 Acq: 10 Mar 2020 16:09

Tgt Ion: 41 Resp: 2743
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.610 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060419.D

Acq: 10 Mar 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

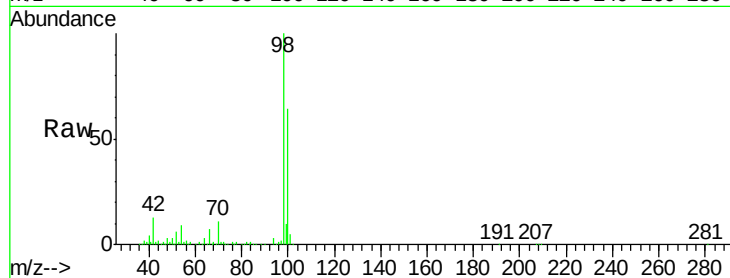
PB127392ZHE#14

Tgt Ion: 98 Resp: 417842

Ion Ratio Lower Upper

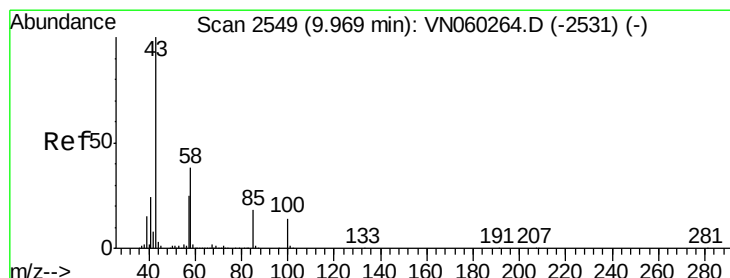
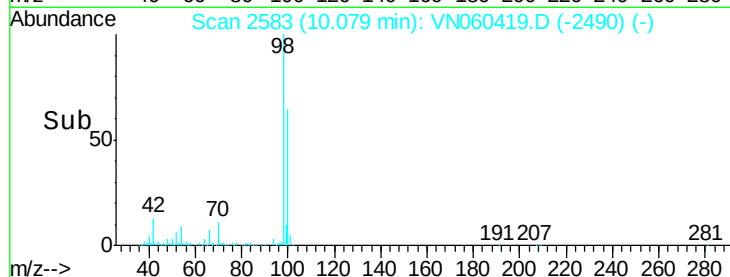
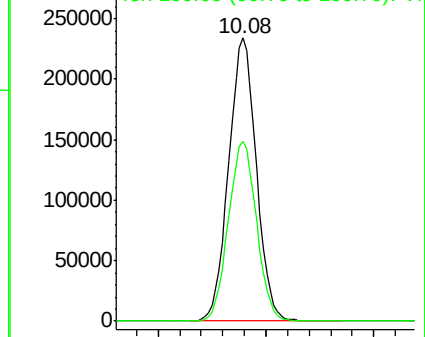
98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.544 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060419.D

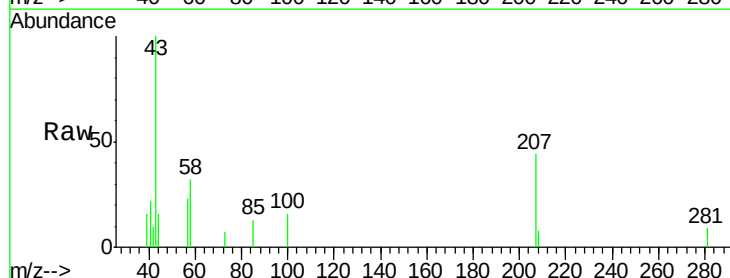
Acq: 10 Mar 2020 16:09

Tgt Ion: 43 Resp: 4675

Ion Ratio Lower Upper

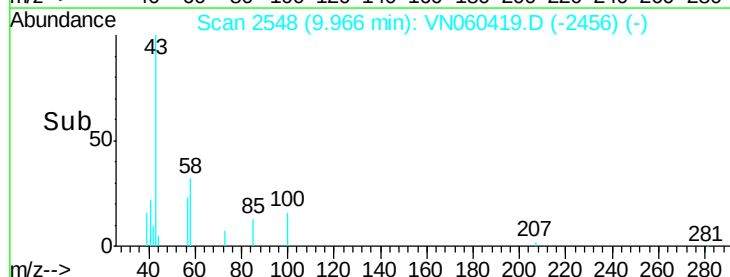
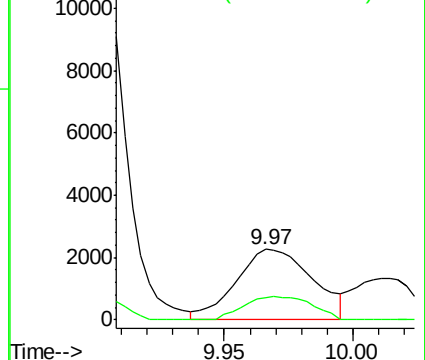
43 100

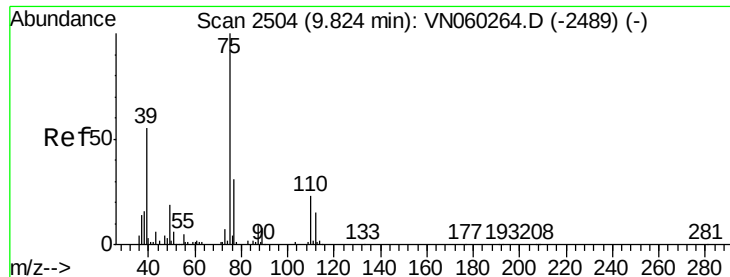
58 30.0 30.9 46.3#



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: 5.892 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060419.D

Acq: 10 Mar 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#14

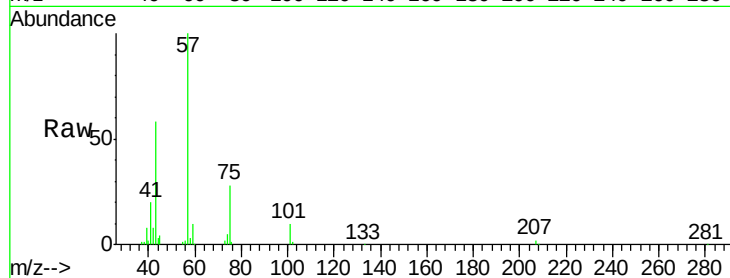
Tgt Ion: 75 Resp: 24209

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

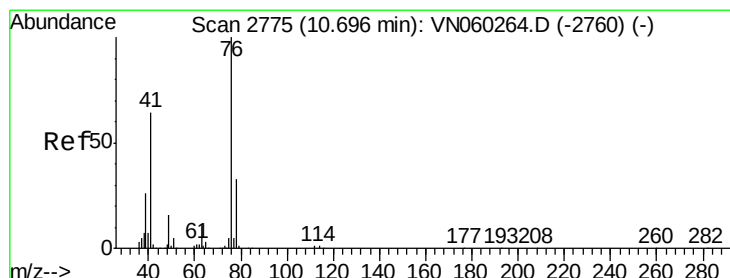
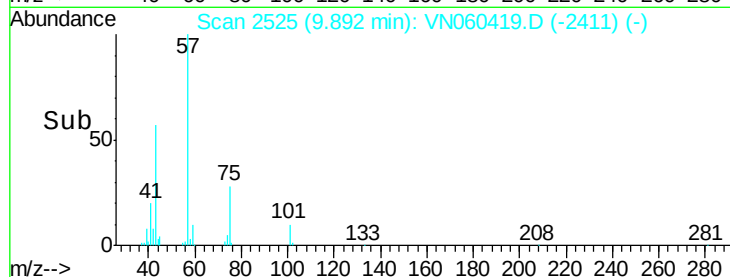
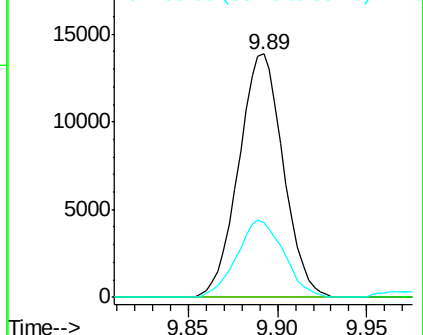
39 30.6 43.8 65.8#



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: 1.042 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060419.D

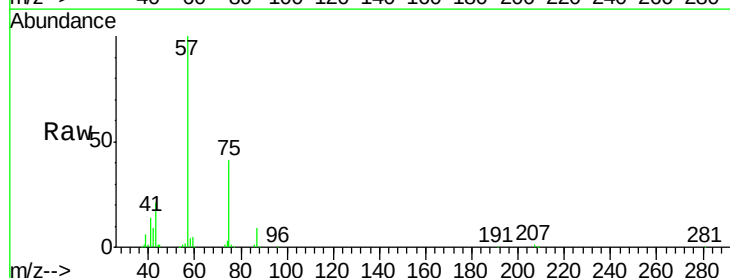
Acq: 10 Mar 2020 16:09

Tgt Ion: 76 Resp: 4026

Ion Ratio Lower Upper

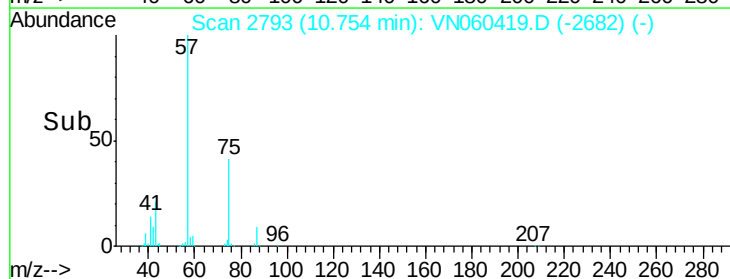
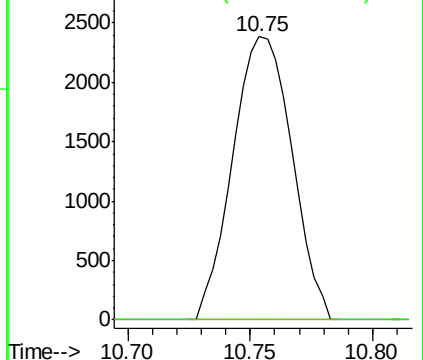
76 100

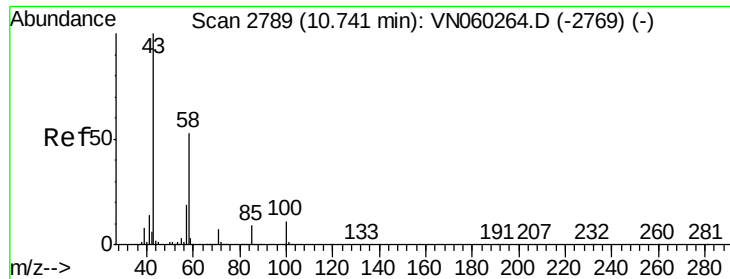
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

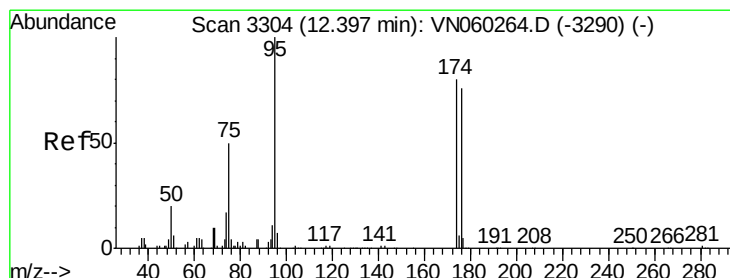
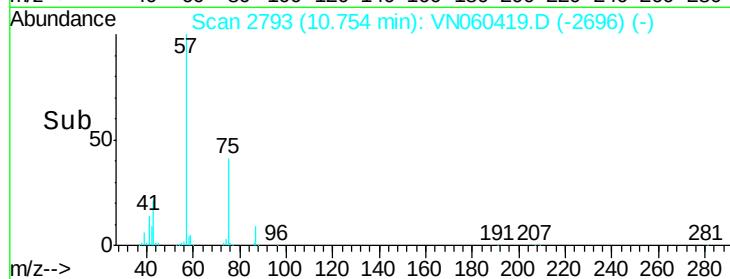
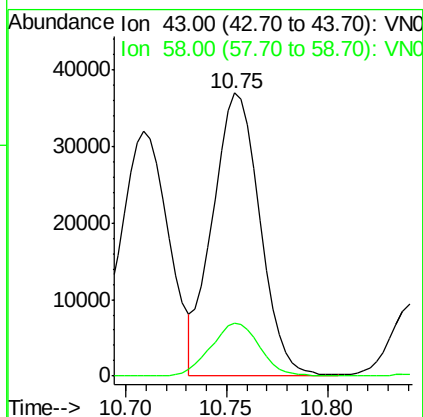
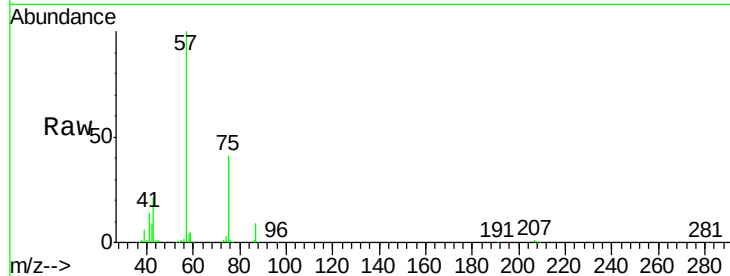




#59
2-Hexanone
Concen: 27.047 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060419.D
Acq: 10 Mar 2020 16:09

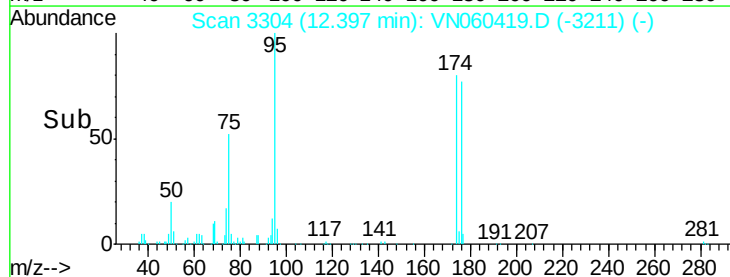
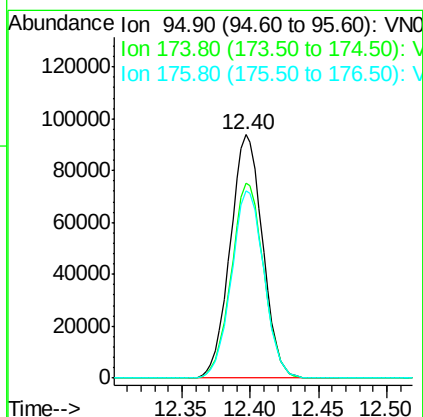
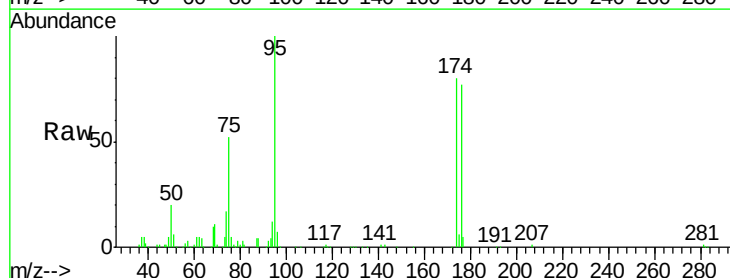
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#14

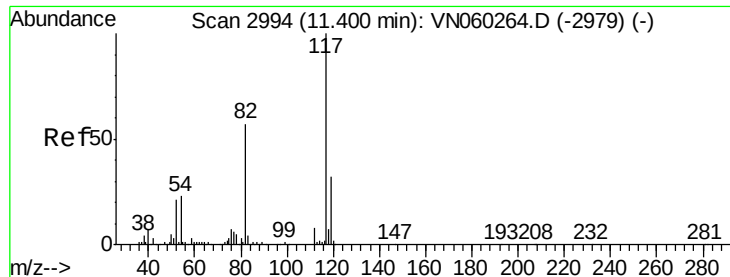
Tgt Ion: 43 Resp: 60138
Ion Ratio Lower Upper
43 100
58 19.4 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.456 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060419.D
Acq: 10 Mar 2020 16:09

Tgt Ion: 95 Resp: 154920
Ion Ratio Lower Upper
95 100
174 80.1 0.0 159.2
176 77.2 0.0 153.8

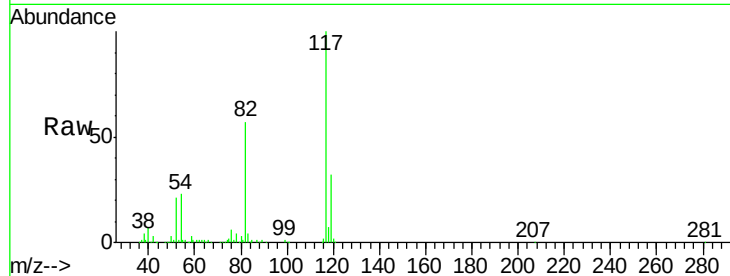




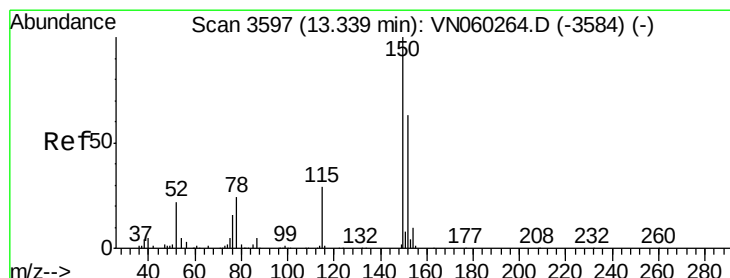
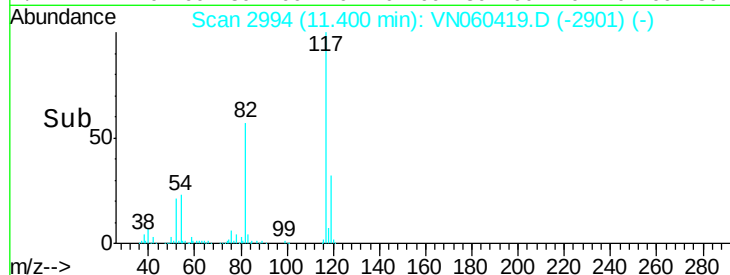
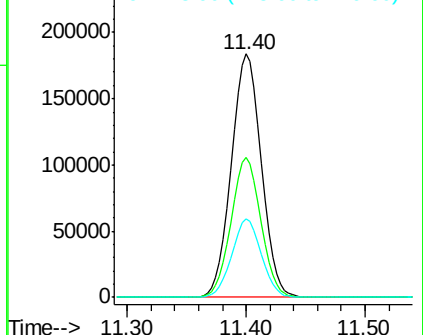
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060419.D
Acq: 10 Mar 2020 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#14

Tgt Ion:117 Resp: 321527
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.6
119 32.4 25.8 38.8

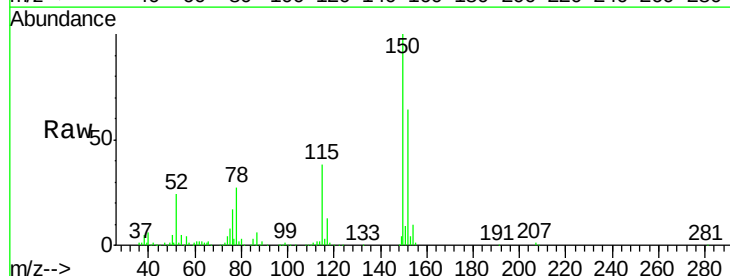


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

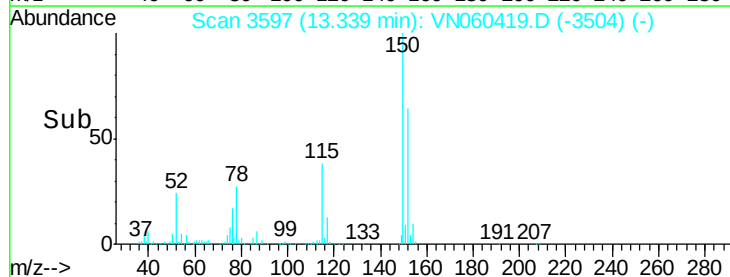
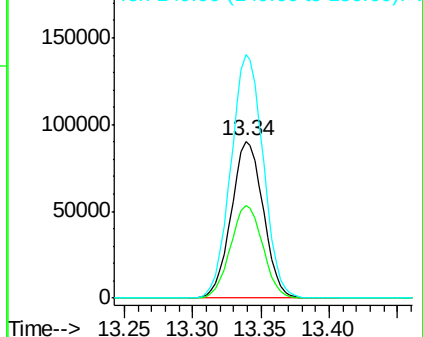


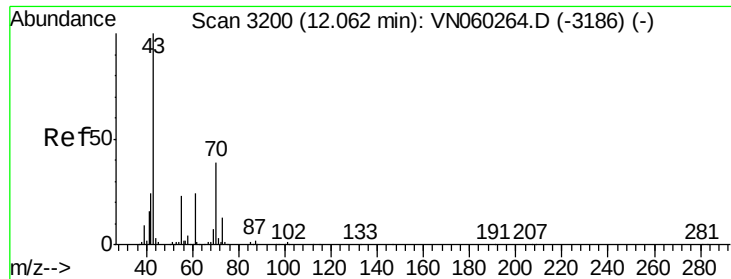
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060419.D
Acq: 10 Mar 2020 16:09

Tgt Ion:152 Resp: 147266
Ion Ratio Lower Upper
152 100
115 59.6 30.0 90.0
150 156.8 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

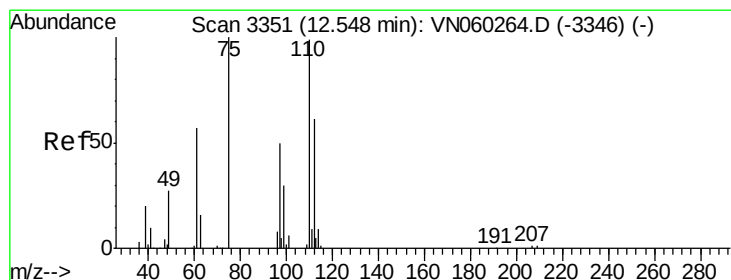
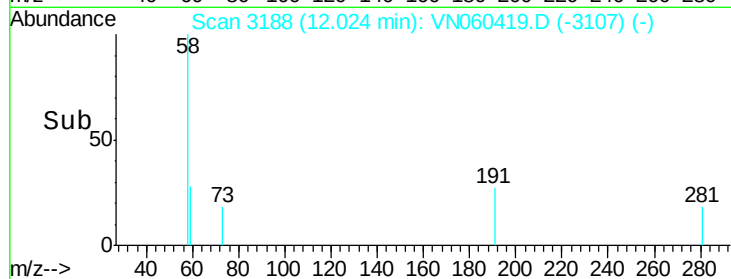
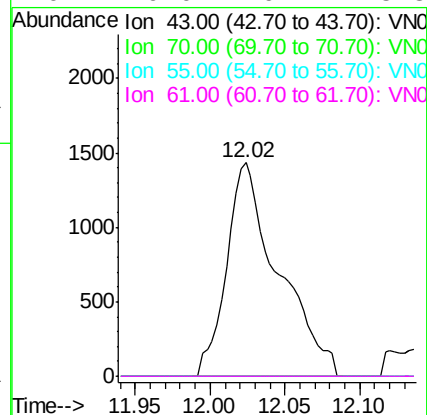
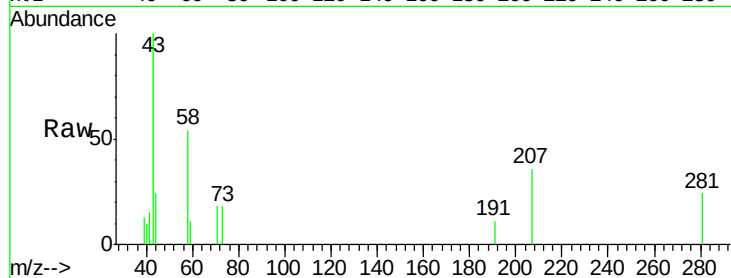




#74
N-ethyl acetate
Concen: 0.723 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060419.D
Acq: 10 Mar 2020 16:09

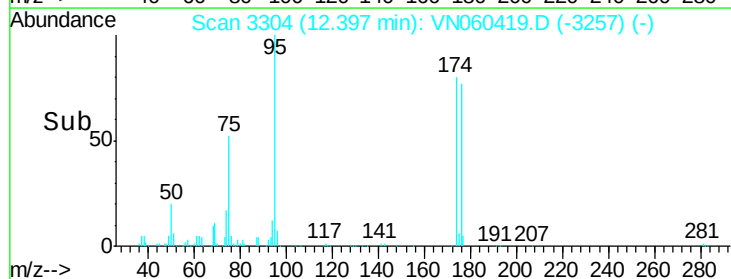
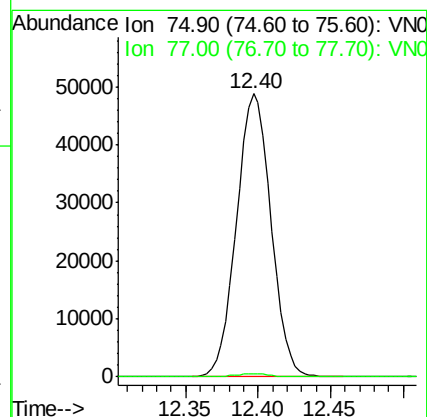
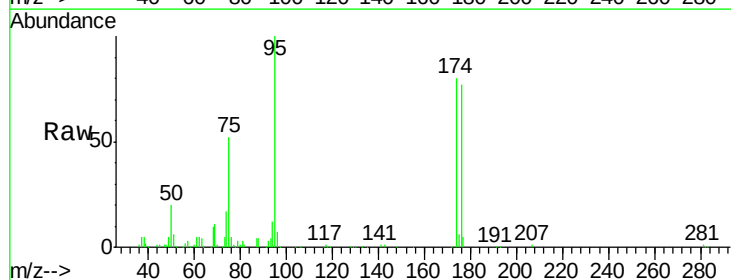
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#14

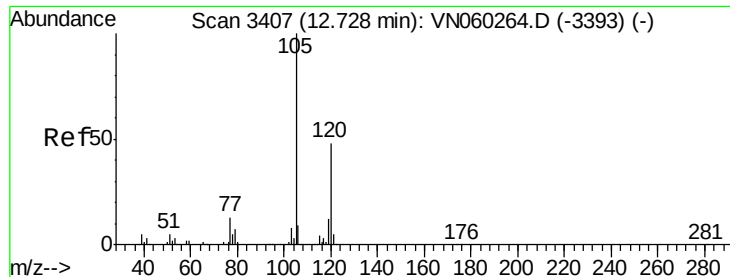
Tgt Ion:	43	Resp:	3447
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.2#
55	0.0	18.2	27.4#
61	0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 24.997 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060419.D
Acq: 10 Mar 2020 16:09

Tgt Ion:	75	Resp:	80765
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

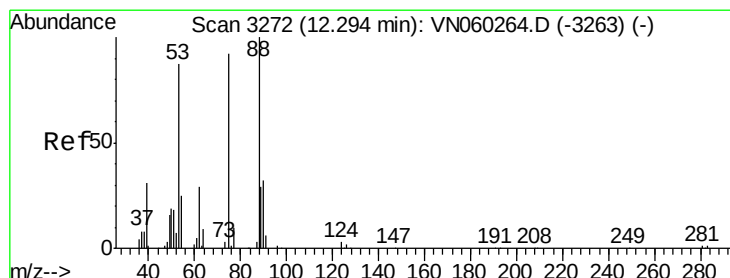
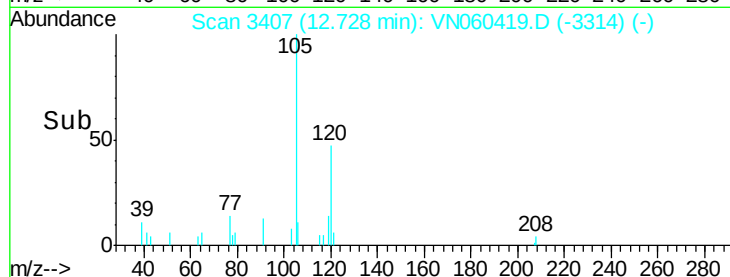
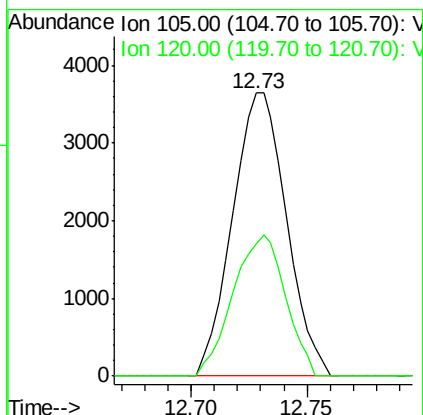
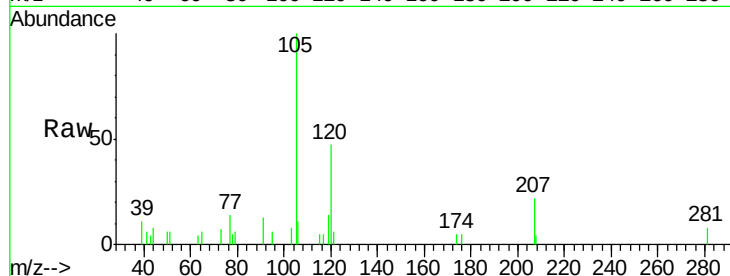




#80
 1,3,5-Trimethylbenzene
 Concen: 0.641 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060419.D
 Acq: 10 Mar 2020 16:09

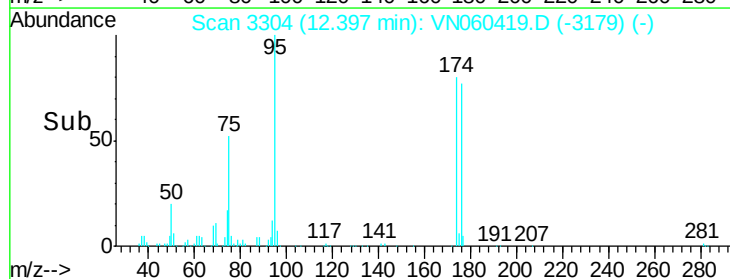
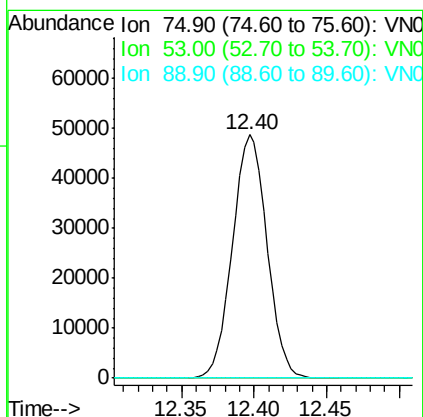
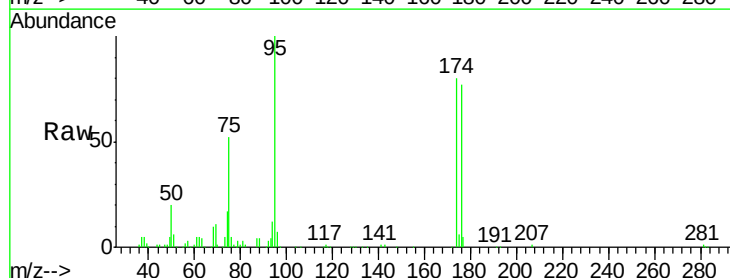
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#14

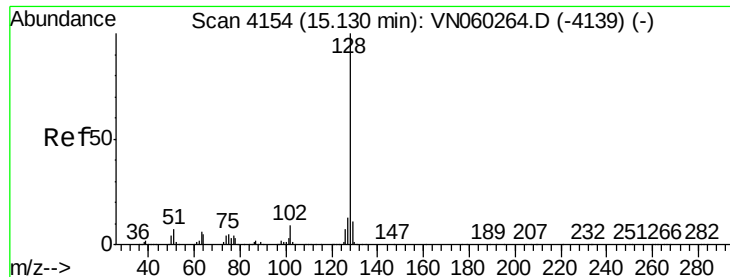
Tgt Ion: 105 Resp: 5893
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.003 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060419.D
 Acq: 10 Mar 2020 16:09

Tgt Ion: 75 Resp: 80765
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#





#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN060419.D

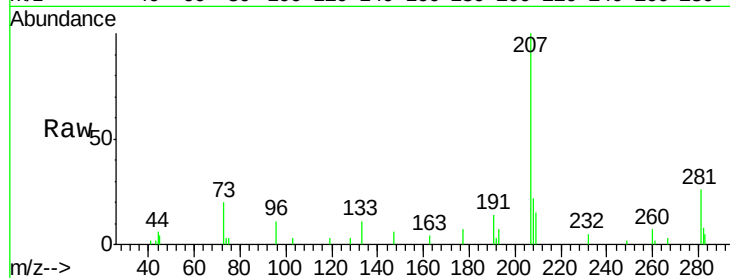
Acq: 10 Mar 2020 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#14



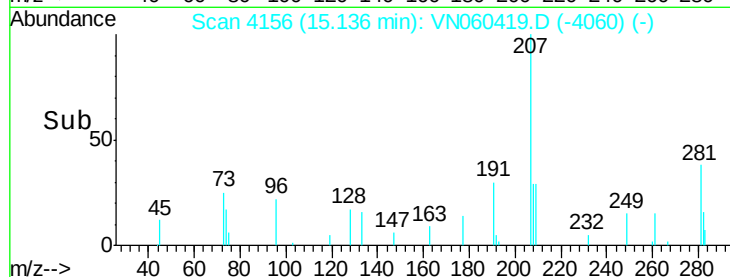
Tgt Ion:128 Resp: 139

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

