

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060485.D
 Acq On : 12 Mar 2020 17:27
 Operator : JC/MD
 Sample : PB127465ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#07

Quant Time: Mar 13 02:06:23 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	190369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138629	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125522	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.56	113	94275	64.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.58%	
50) Toluene-d8	10.08	98	388662	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.40	95	146196	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

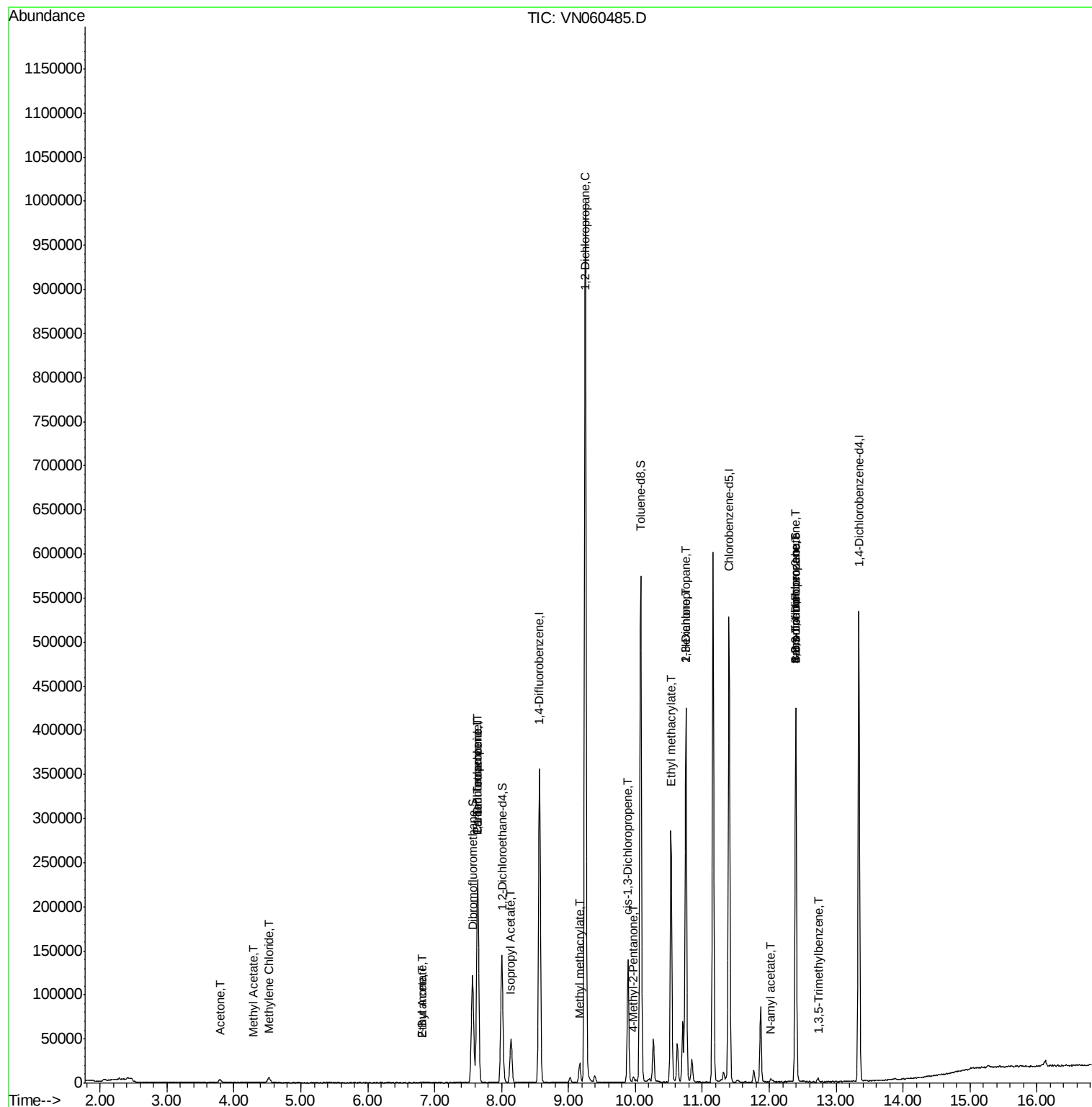
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6744	8.55	ug/l	100
18) Methyl Acetate	4.30	43	1850	0.70	ug/l #	52
20) Methylene Chloride	4.53	84	4525	2.09	ug/l	96
25) 2-Butanone	6.81	43	1261	0.99	ug/l #	49
31) Cyclohexane	7.64	56	3864	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14514	4.86	ug/l #	50
37) Ethyl Acetate	6.81	43	1261	0.45	ug/l #	68
38) Carbon Tetrachloride	7.64	117	17536	6.03	ug/l #	16
43) Isopropyl Acetate	8.14	43	59483	12.01	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1084	0.48	ug/l #	44
48) Methyl methacrylate	9.16	41	3137	1.39	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4803	1.71	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	25189	6.61	ug/l #	59
56) Ethyl methacrylate	10.53	69	644	0.20	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4350	1.21	ug/l #	42
59) 2-Hexanone	10.75	43	62190	30.16	ug/l #	52
71) Bromoform	12.40	173	454	0.28	ug/l #	1
74) N-amyl acetate	12.02	43	3067	0.68	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	74618	24.53	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2811	0.32	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74618	67.72	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

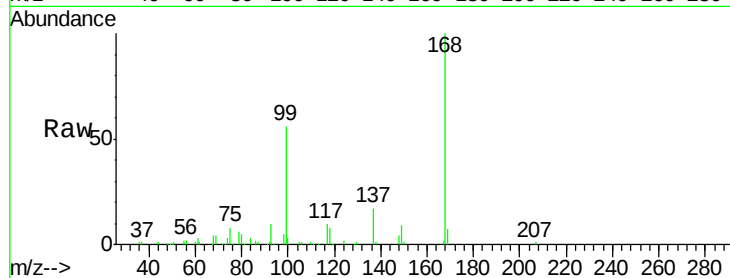
PB127465ZHE#07

Tgt Ion:168 Resp: 190369

Ion Ratio Lower Upper

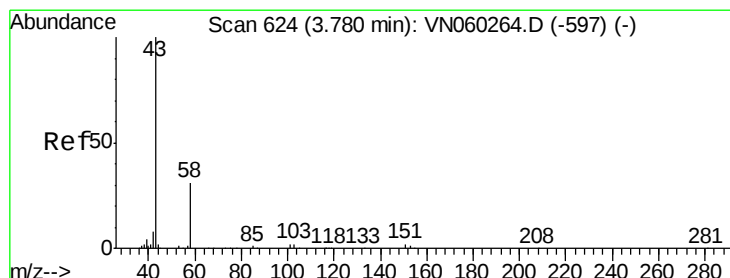
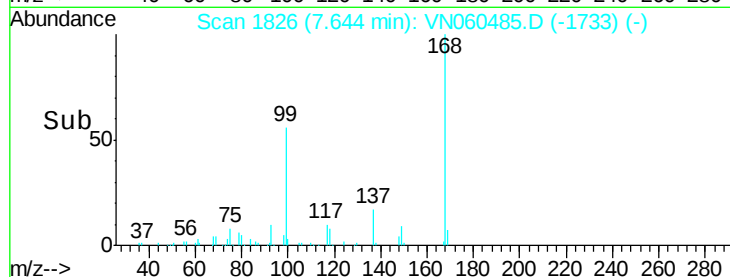
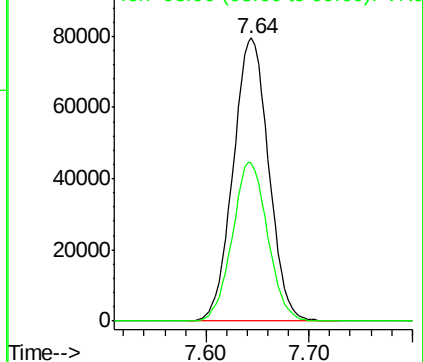
168 100

99 55.6 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: 8.55 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060485.D

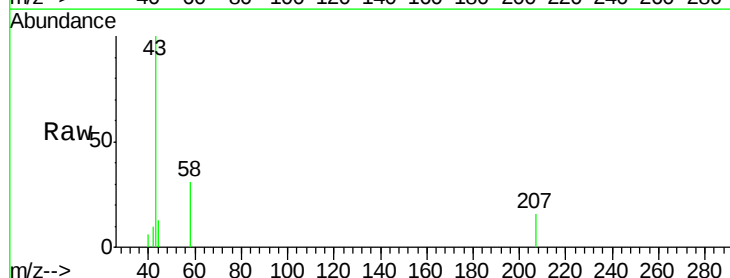
Acq: 12 Mar 2020 17:27

Tgt Ion: 43 Resp: 6744

Ion Ratio Lower Upper

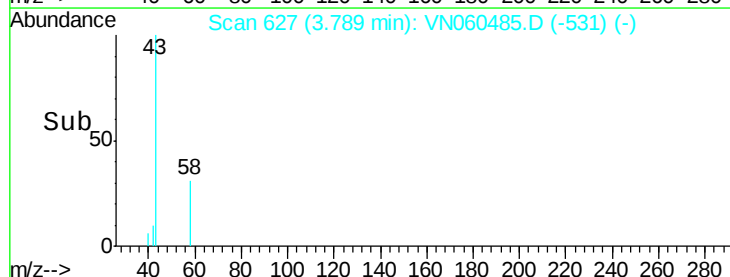
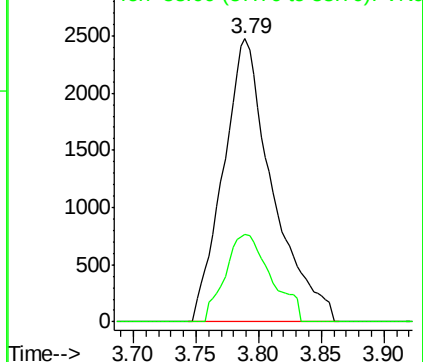
43 100

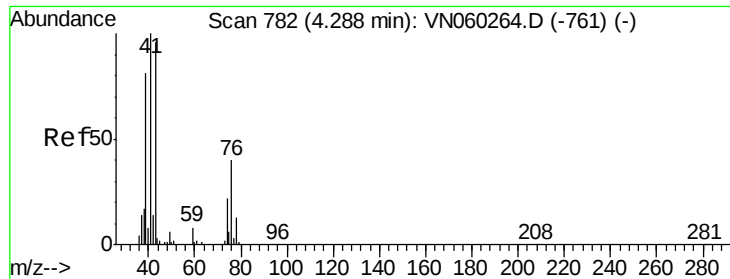
58 30.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

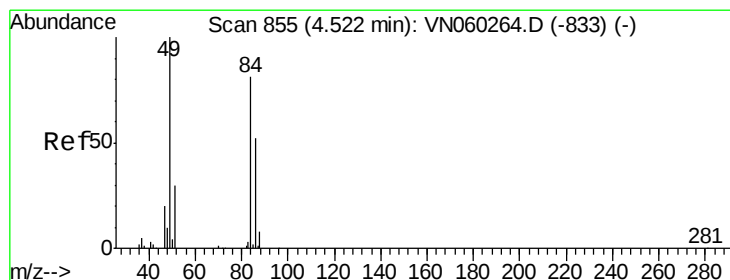
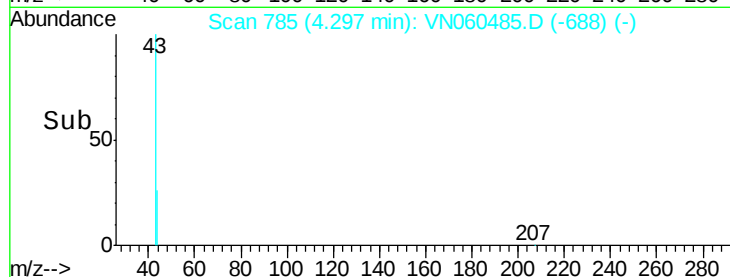
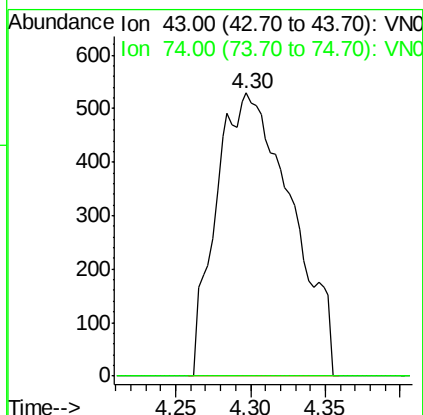
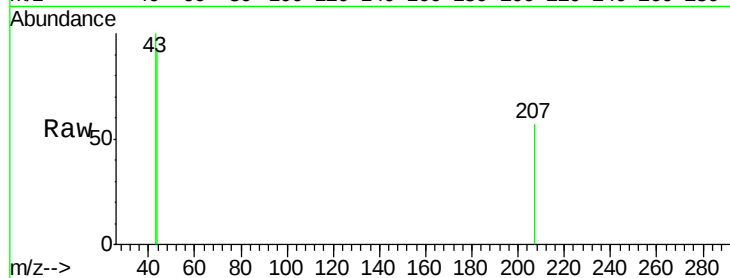




#18
Methyl Acetate
Concen: 0.70 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060485.D
Acq: 12 Mar 2020 17:27

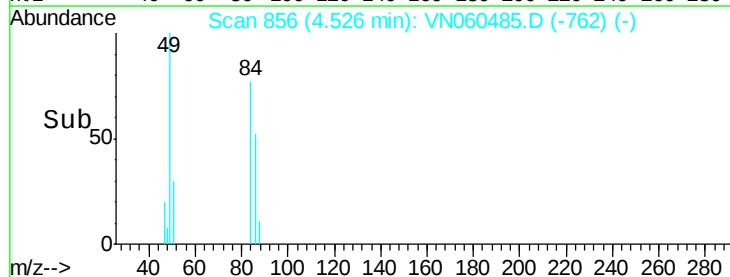
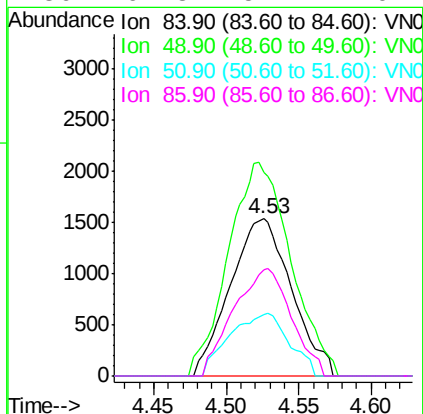
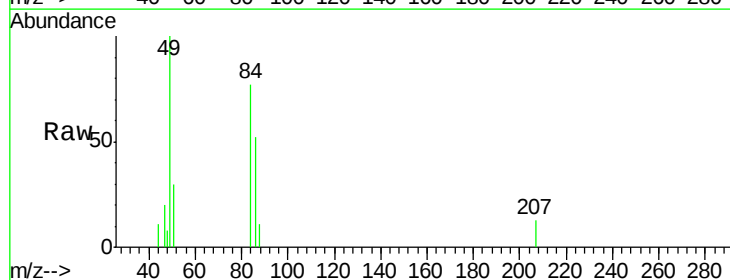
Instrument :
MSVOA_N
ClientSampleId :
PB127465ZHE#07

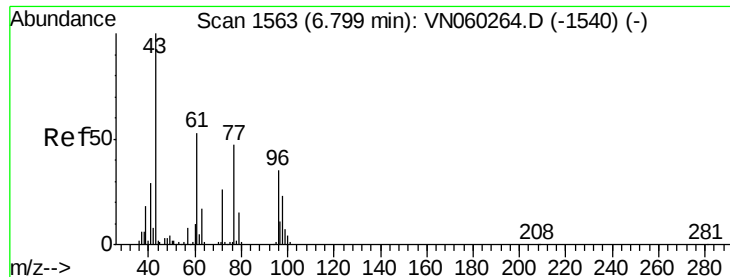
Tgt Ion: 43 Resp: 1850
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 2.09 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060485.D
Acq: 12 Mar 2020 17:27

Tgt Ion: 84 Resp: 4525
Ion Ratio Lower Upper
84 100
49 129.2 99.3 148.9
51 38.8 30.1 45.1
86 67.8 51.1 76.7

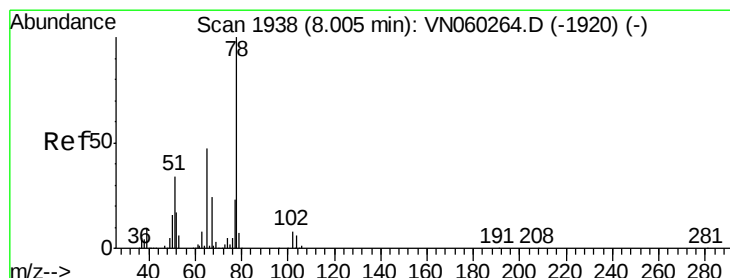
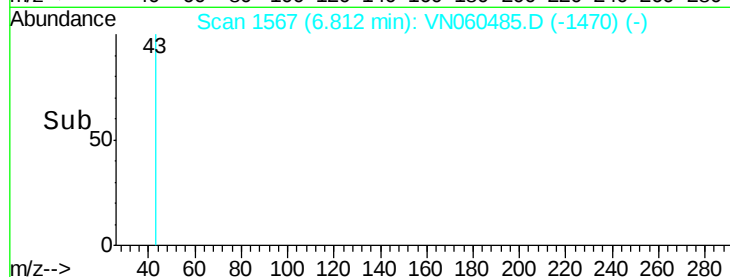
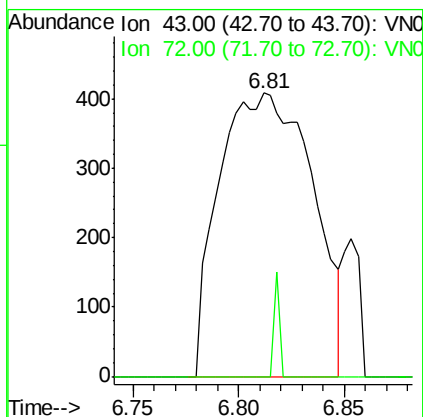
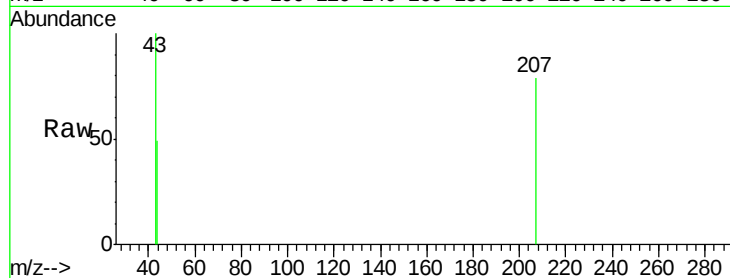




#25
 2-Butanone
 Concen: 0.99 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN060485.D
 Acq: 12 Mar 2020 17:27

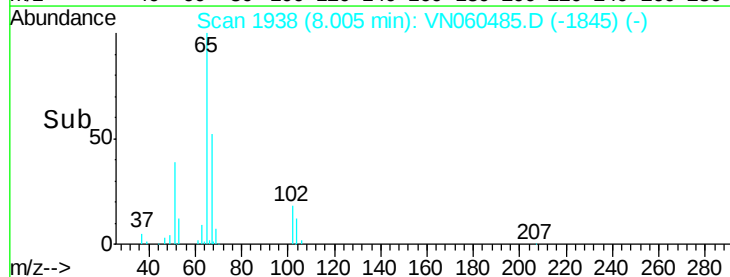
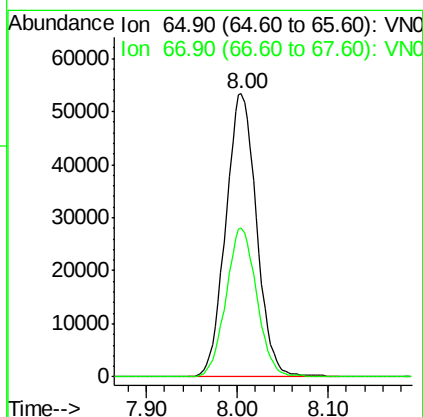
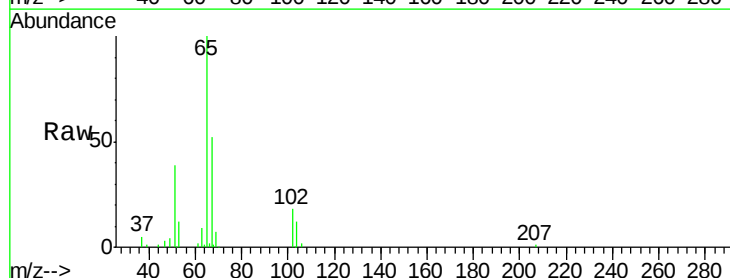
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#07

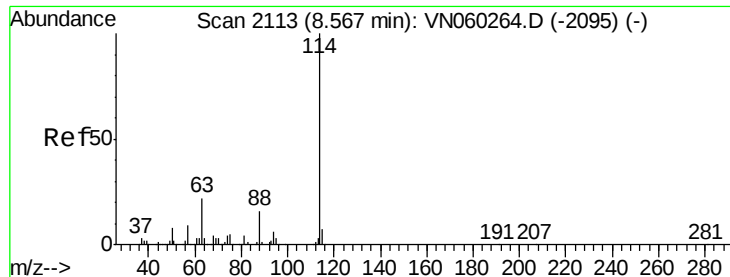
Tgt Ion: 43 Resp: 1261
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 51.39 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060485.D
 Acq: 12 Mar 2020 17:27

Tgt Ion: 65 Resp: 125522
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#07

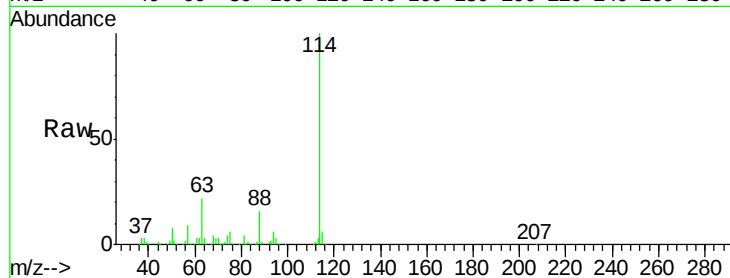
Tgt Ion:114 Resp: 313484

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

88 16.3 0.0 31.6

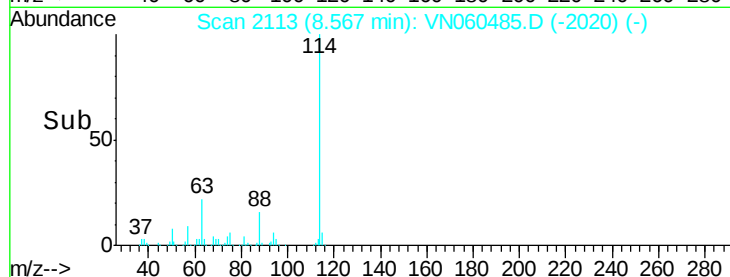


Abundance Ion 113.90 (113.60 to 114.60): V

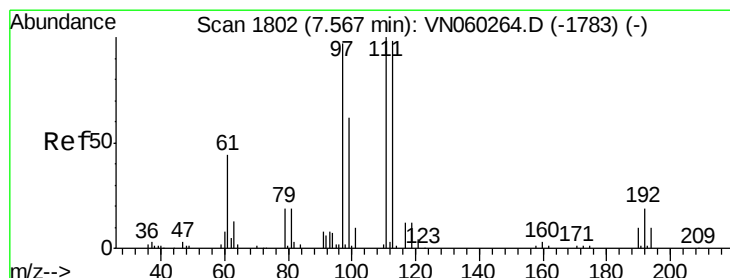
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

8.57



Time-->



#35

Dibromofluoromethane

Concen: 64.79 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

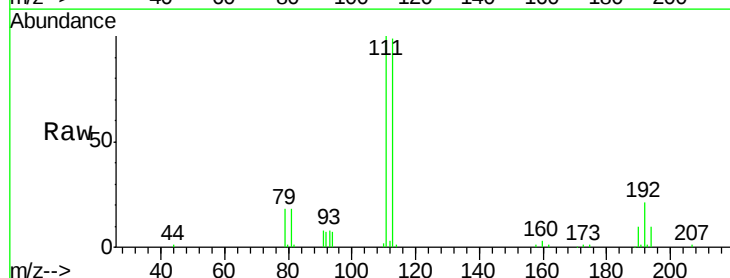
Tgt Ion:113 Resp: 94275

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 20.2 16.2 24.2

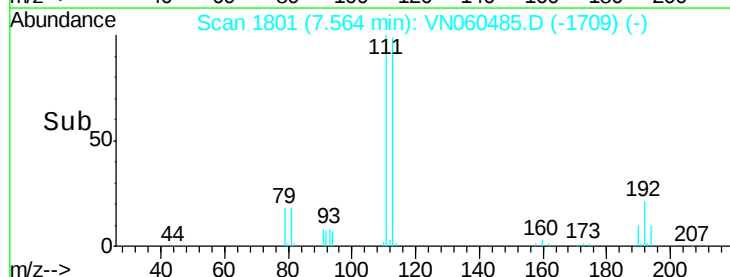


Abundance Ion 112.80 (112.50 to 113.50): V

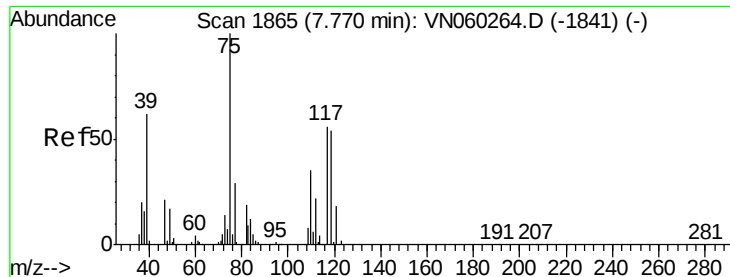
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.56



Time-->



#36

1,1-Dichloropropene

Concen: 4.86 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#07

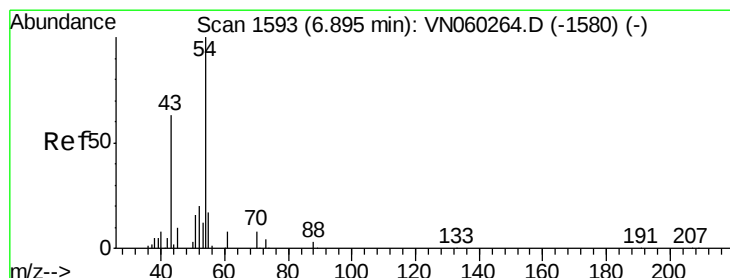
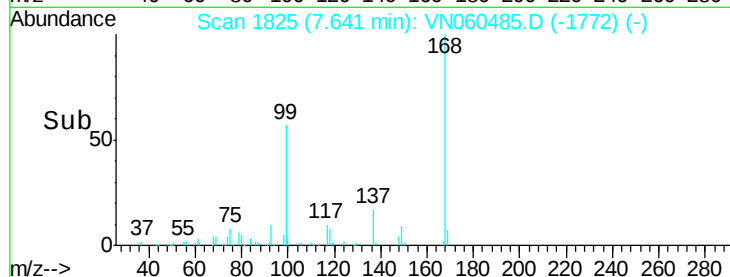
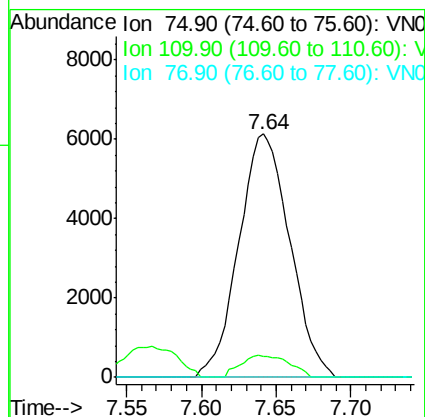
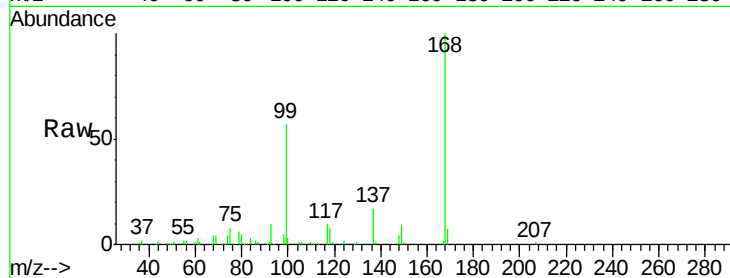
Tgt Ion: 75 Resp: 14514

Ion Ratio Lower Upper

75 100

110 8.6 17.3 52.0#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 0.45 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

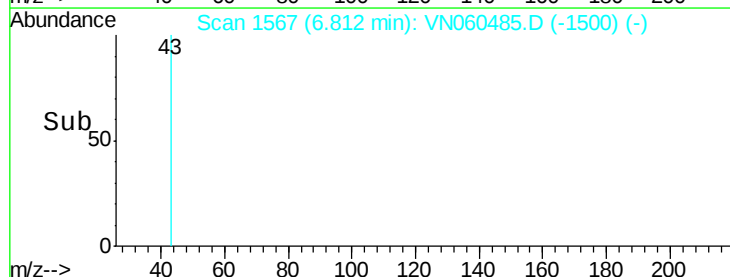
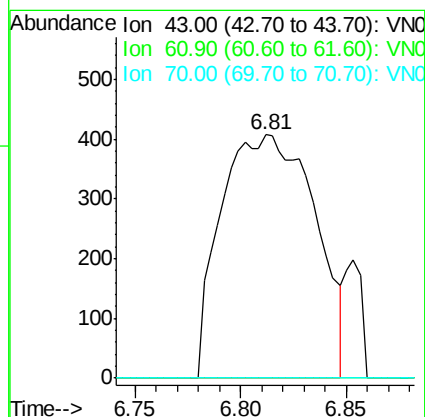
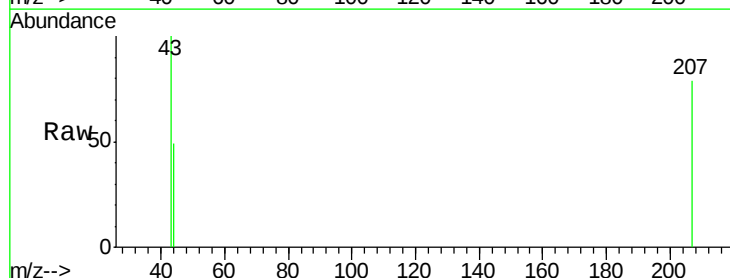
Tgt Ion: 43 Resp: 1261

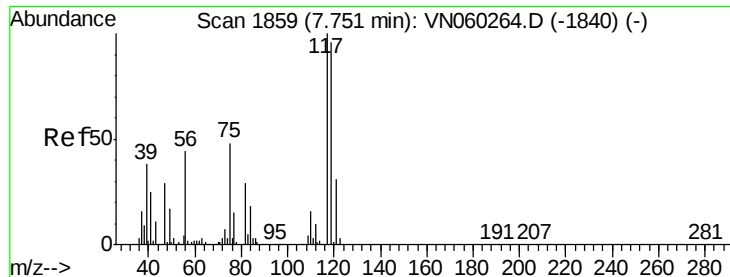
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.03 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

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PB127465ZHE#07

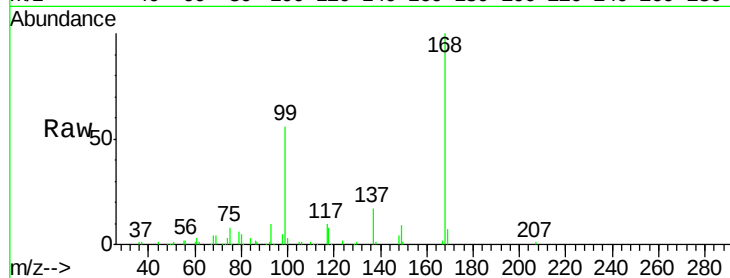
Tgt Ion:117 Resp: 17536

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

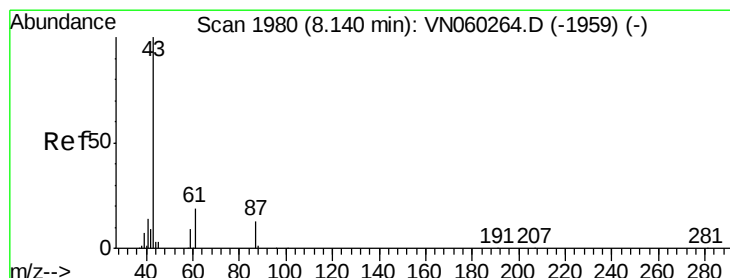
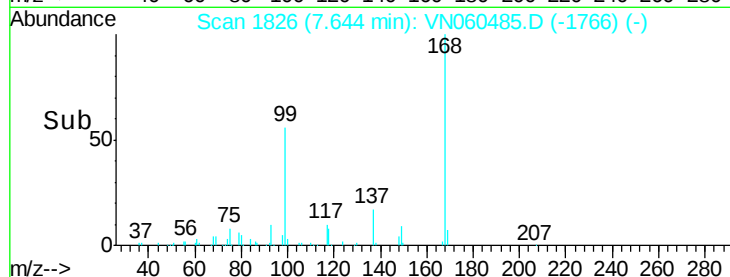
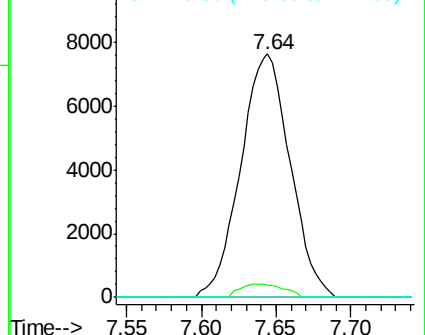
121 0.0 24.5 36.7#



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: 12.01 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

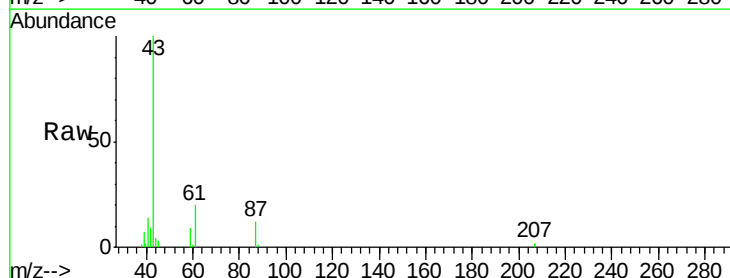
Tgt Ion: 43 Resp: 59483

Ion Ratio Lower Upper

43 100

61 19.4 20.9 31.3#

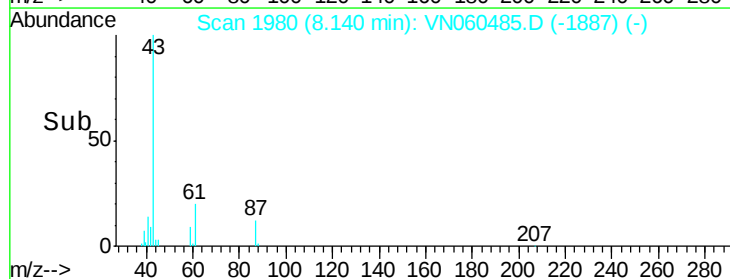
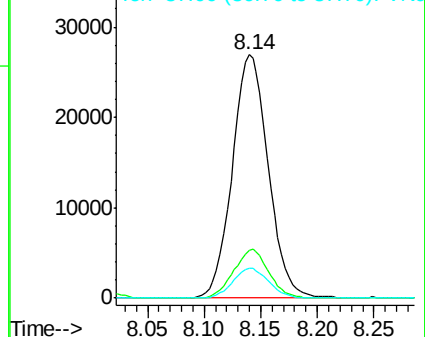
87 12.1 10.6 16.0

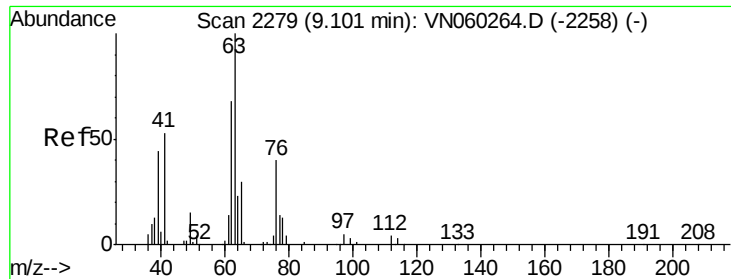


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.48 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

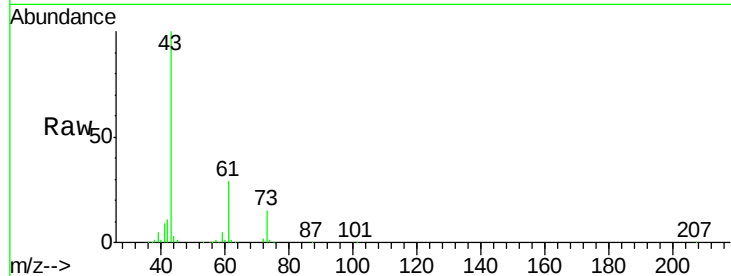
PB127465ZHE#07

Tgt Ion: 63 Resp: 1084

Ion Ratio Lower Upper

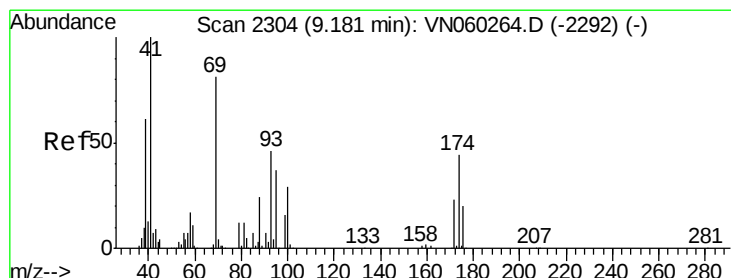
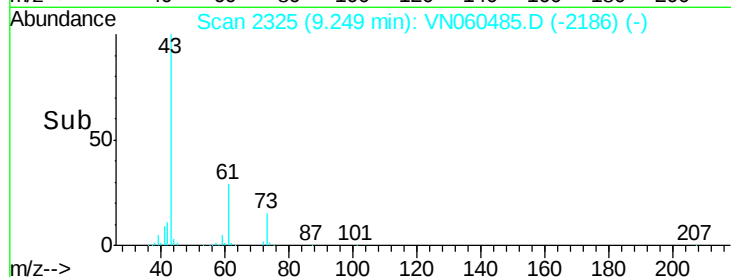
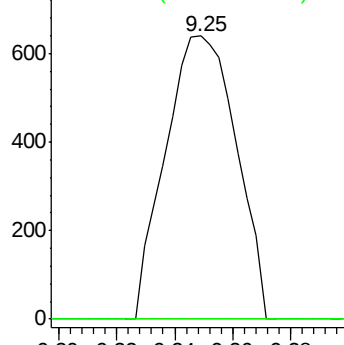
63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.39 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

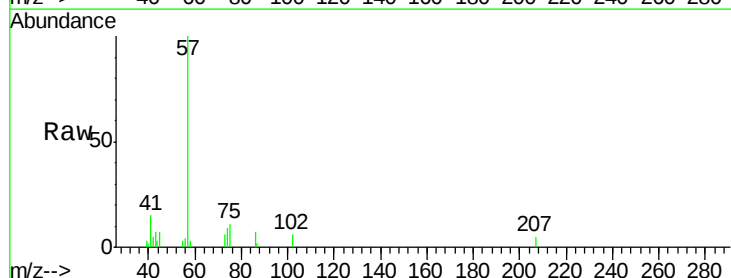
Tgt Ion: 41 Resp: 3137

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

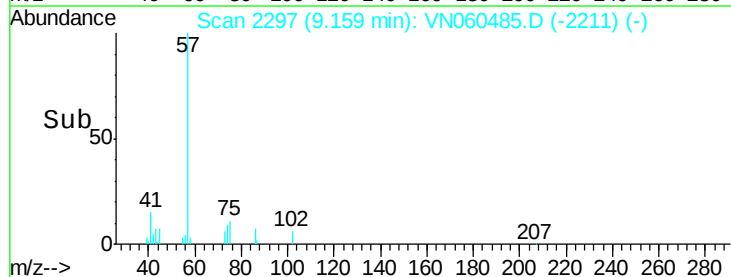
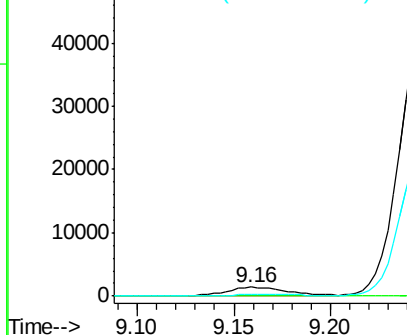
39 0.0 50.1 75.1#

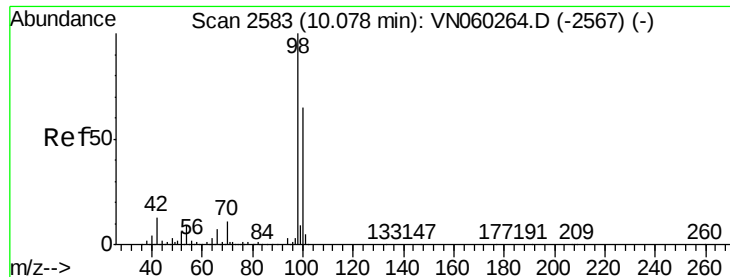


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 52.78 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

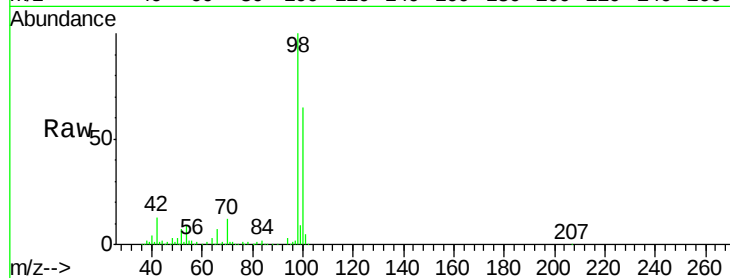
PB127465ZHE#07

Tgt Ion: 98 Resp: 388662

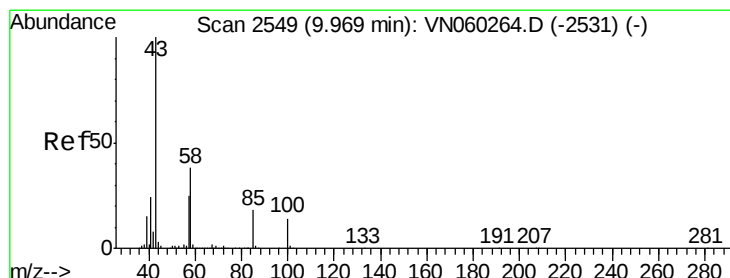
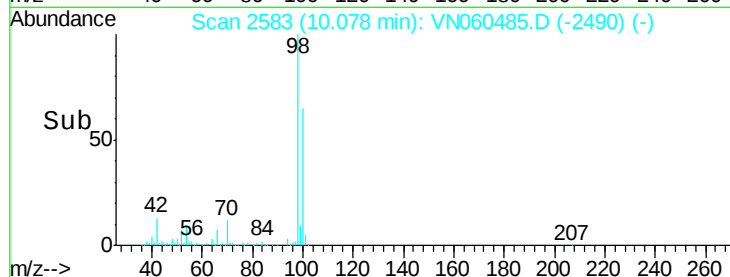
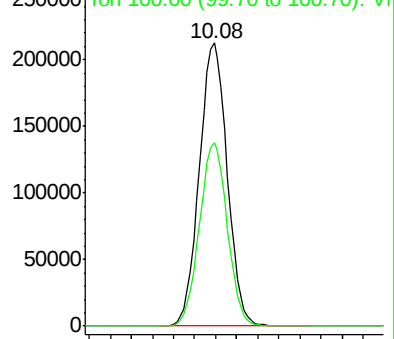
Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.71 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060485.D

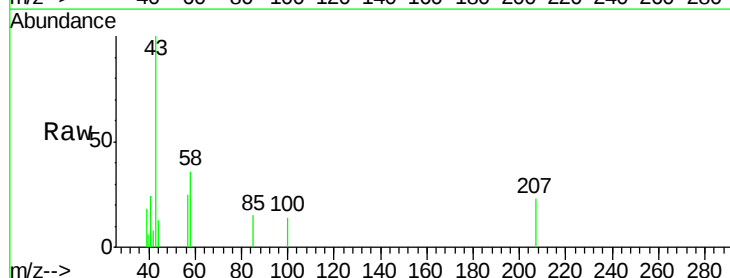
Acq: 12 Mar 2020 17:27

Tgt Ion: 43 Resp: 4803

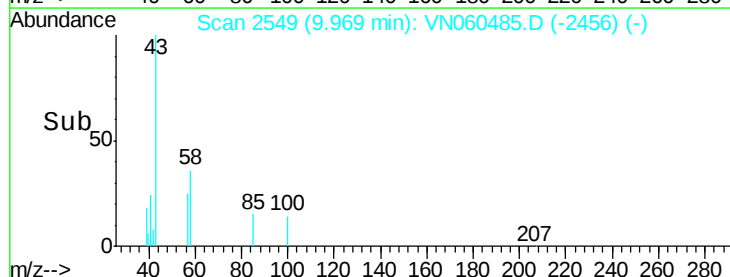
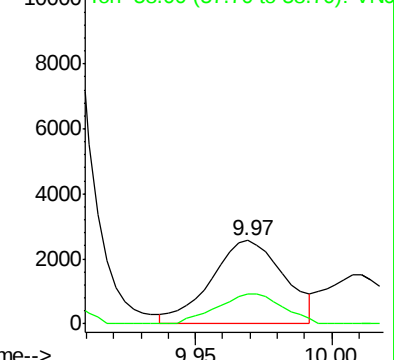
Ion Ratio Lower Upper

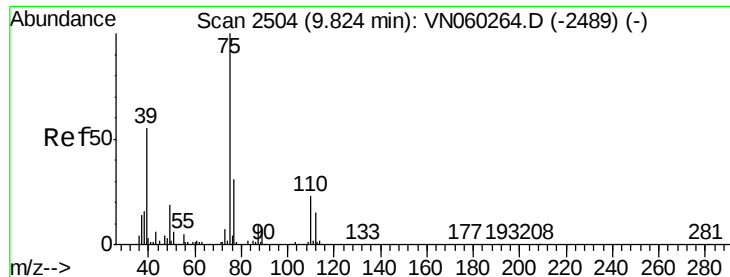
43 100

58 32.5 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.61 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#07

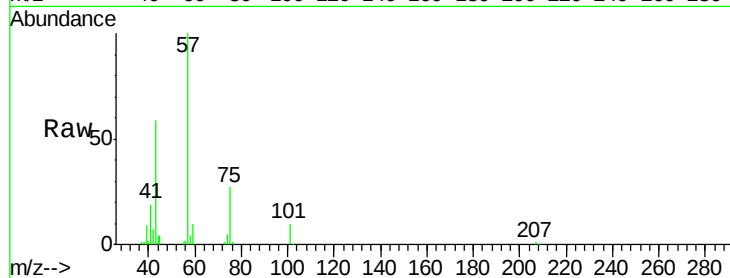
Tgt Ion: 75 Resp: 25189

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

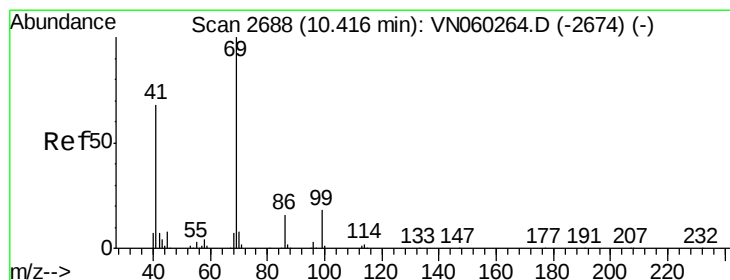
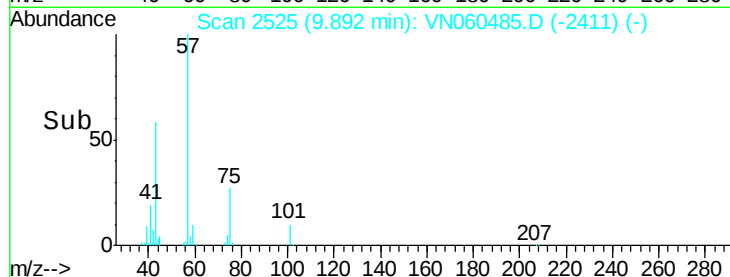
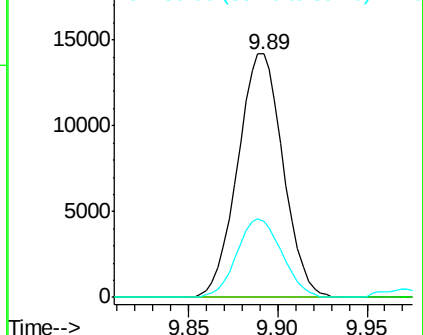
39 31.1 43.8 65.8#



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



#56

Ethyl methacrylate

Concen: 0.20 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

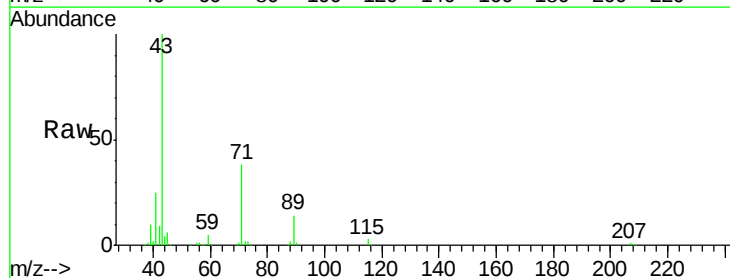
Tgt Ion: 69 Resp: 644

Ion Ratio Lower Upper

69 100

41 8150.0 54.1 81.1#

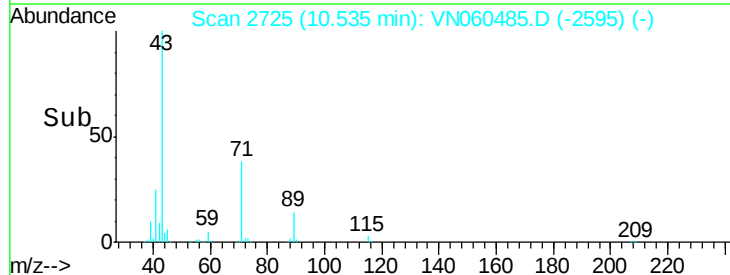
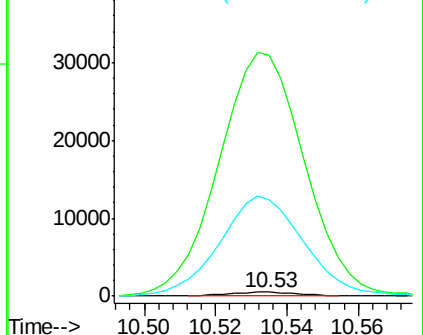
39 3252.8 32.5 48.7#

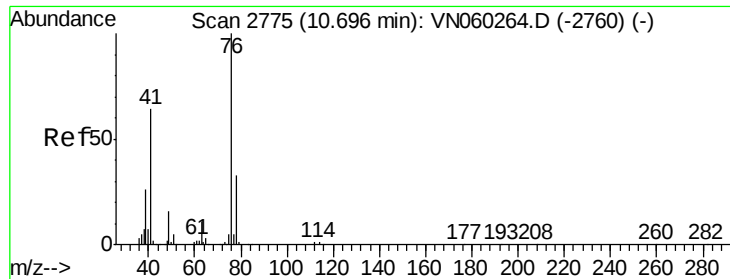


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

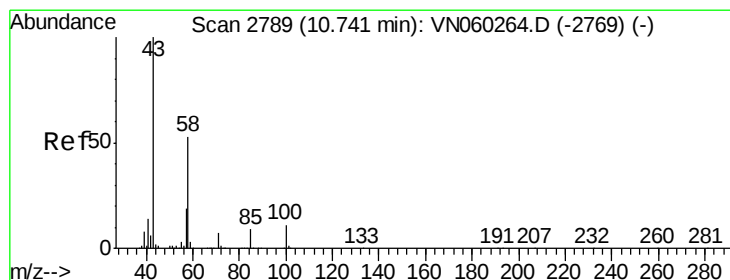
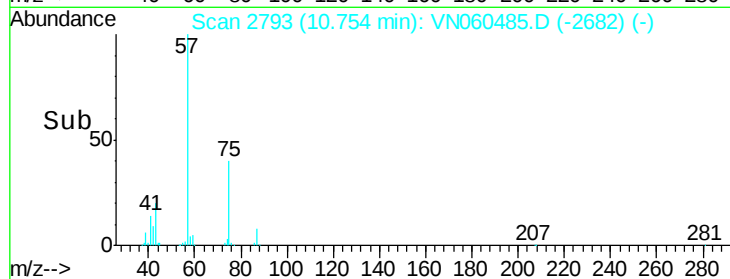
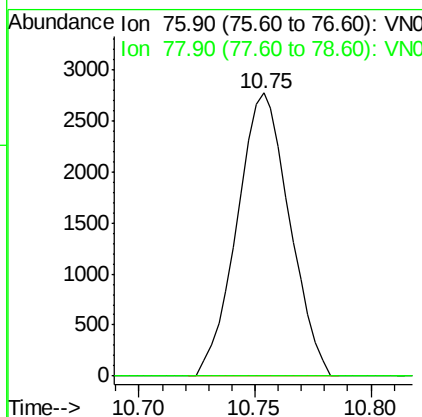
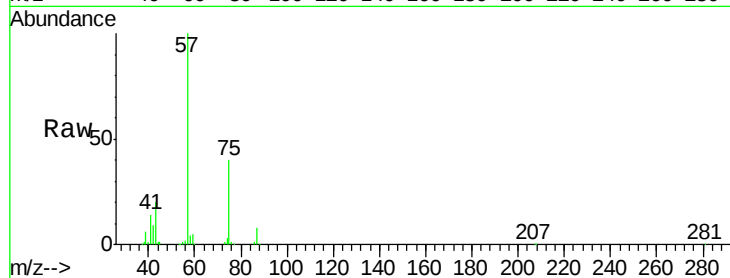




#57
 1,3-Dichloropropane
 Concen: 1.21 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060485.D
 Acq: 12 Mar 2020 17:27

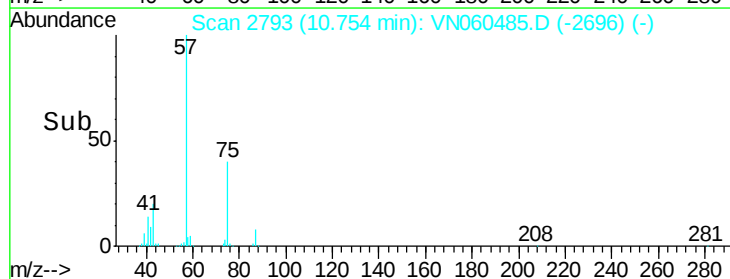
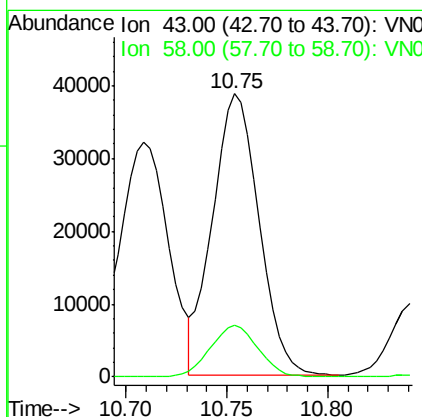
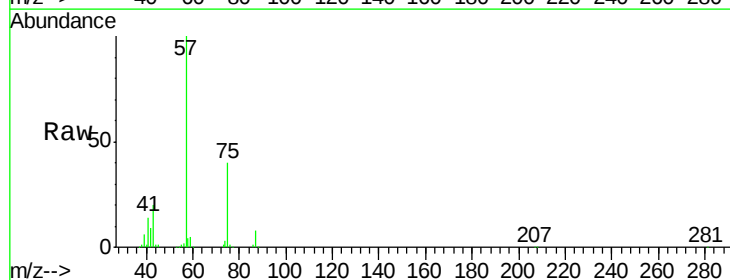
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#07

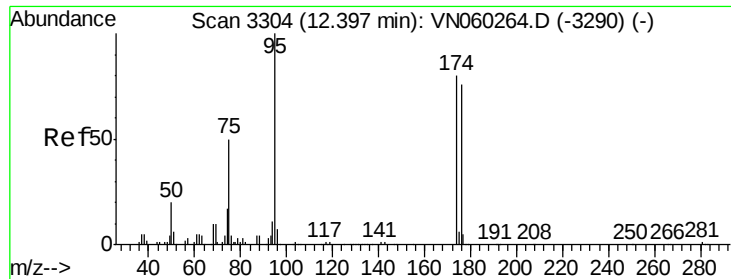
Tgt Ion: 76 Resp: 4350
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 30.16 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060485.D
 Acq: 12 Mar 2020 17:27

Tgt Ion: 43 Resp: 62190
 Ion Ratio Lower Upper
 43 100
 58 18.7 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 52.37 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#07

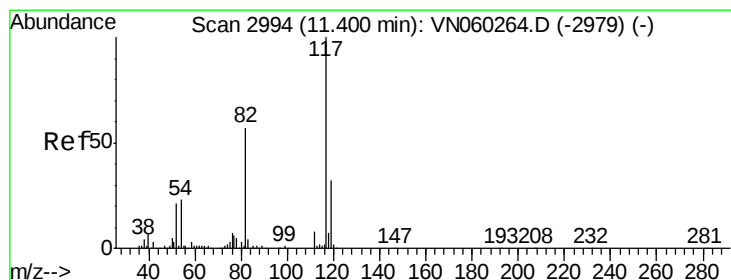
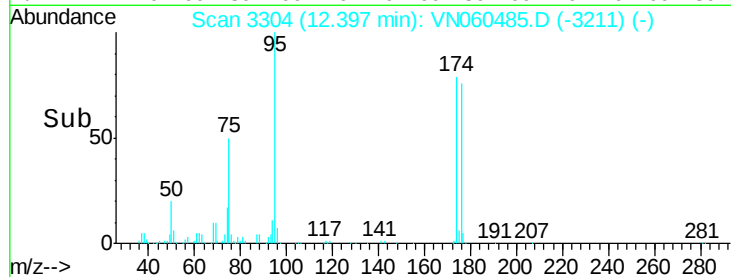
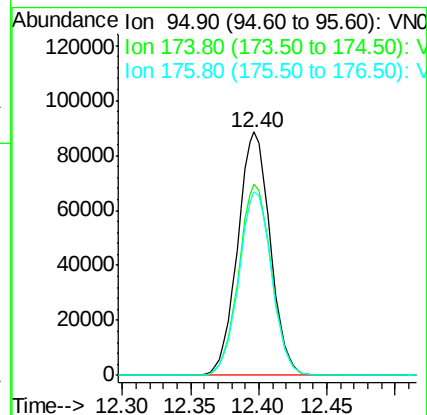
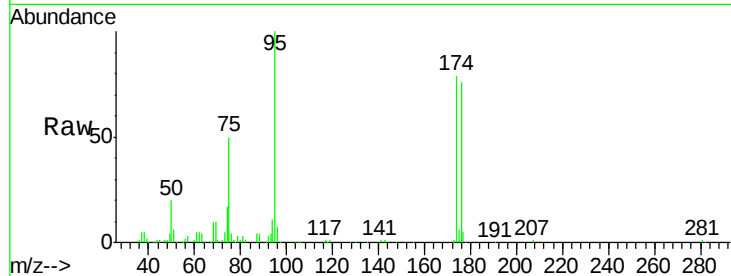
Tgt Ion: 95 Resp: 146196

Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.2

176 76.1 0.0 153.8



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

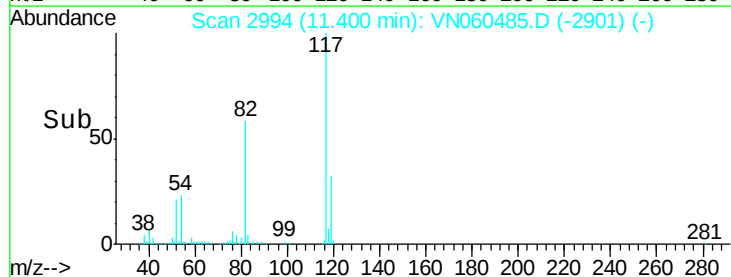
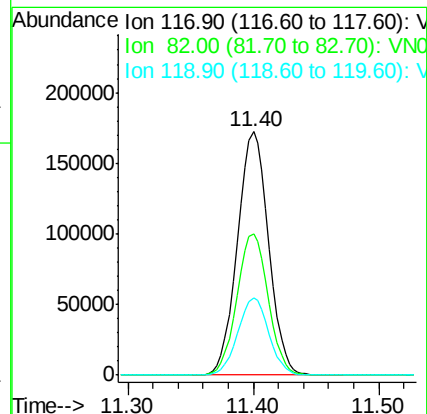
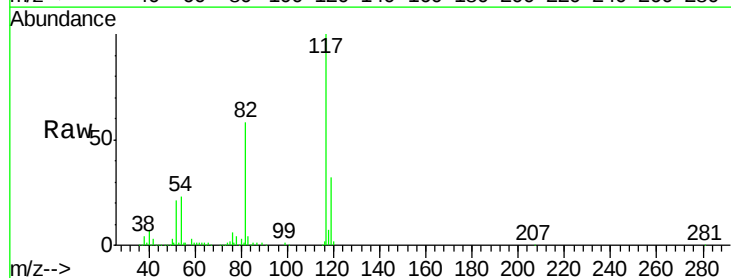
Tgt Ion: 117 Resp: 296975

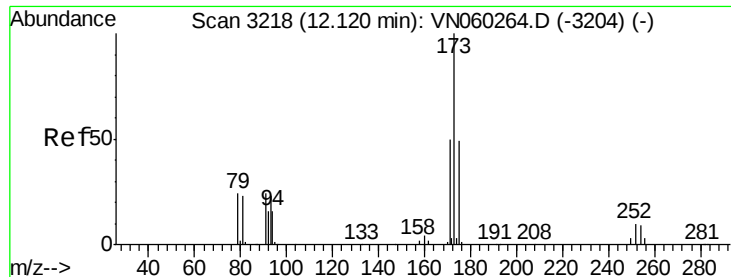
Ion Ratio Lower Upper

117 100

82 57.9 45.8 68.6

119 31.8 25.8 38.8





#71

Bromoform

Concen: 0.28 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#07

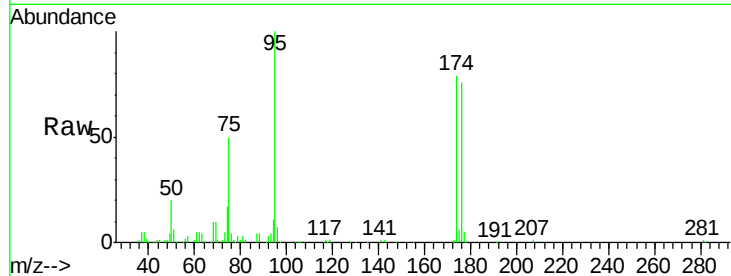
Tgt Ion:173 Resp: 454

Ion Ratio Lower Upper

173 100

175 1685.7 24.1 72.2#

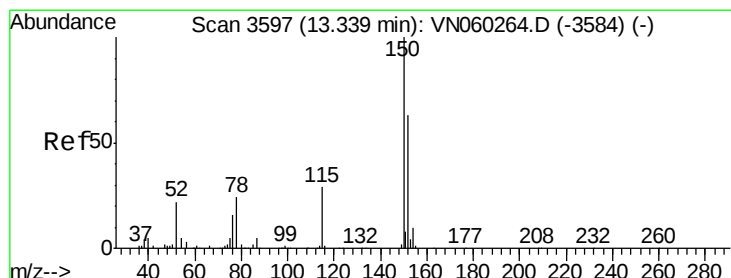
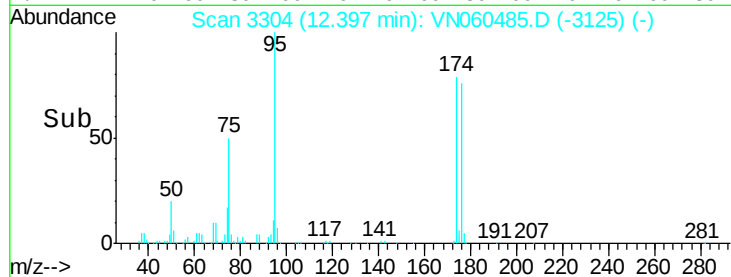
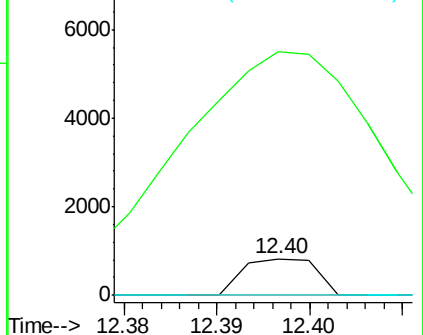
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

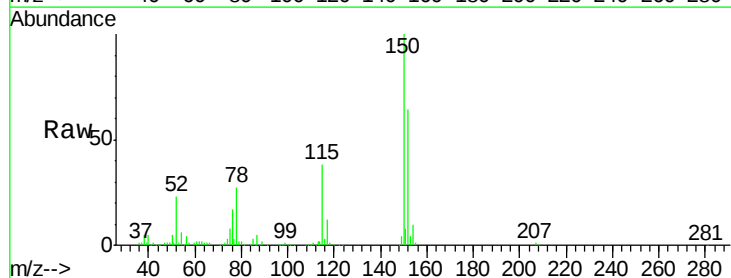
Tgt Ion:152 Resp: 138629

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

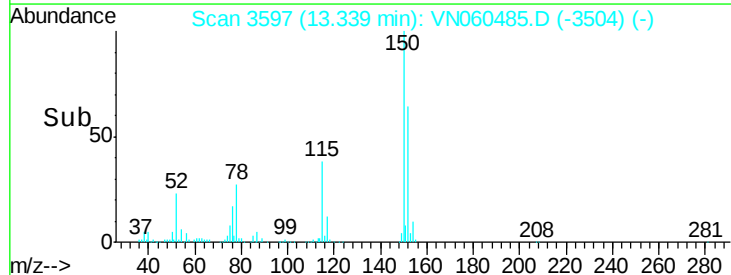
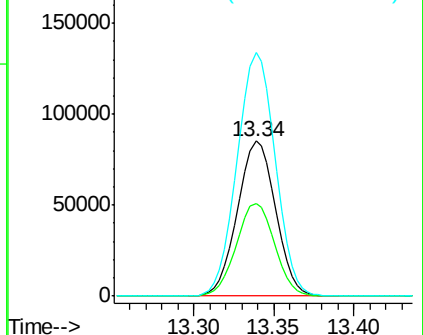
150 157.2 0.0 349.6

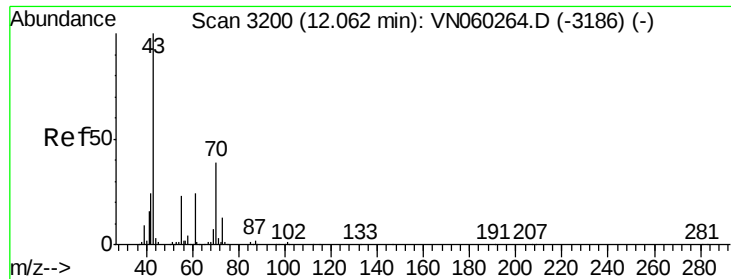


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.68 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060485.D

Acq: 12 Mar 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#07

Tgt Ion: 43 Resp: 3067

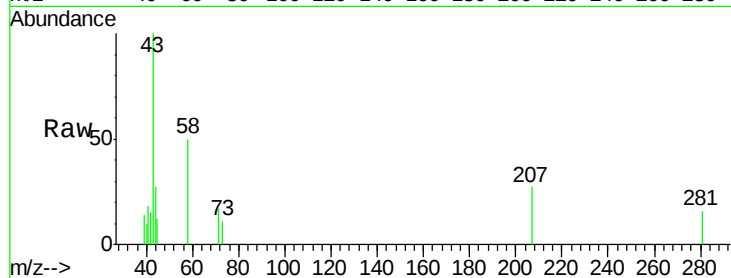
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

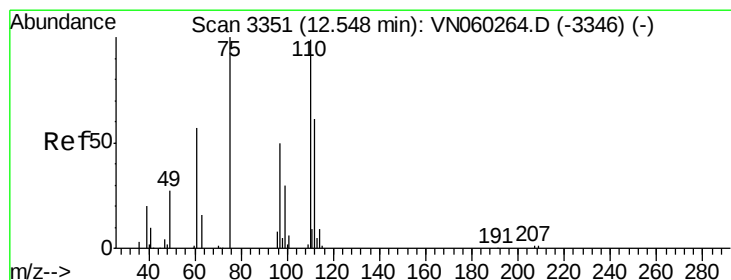
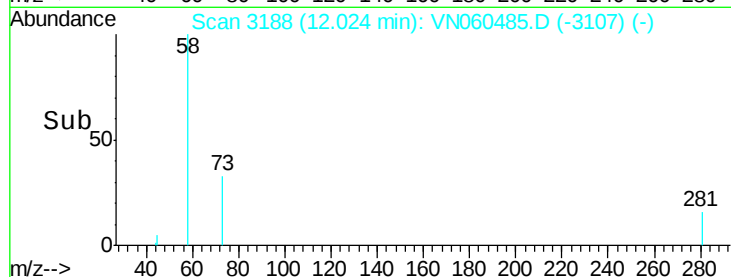
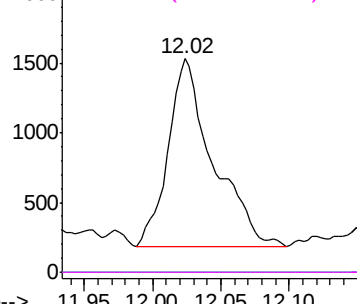


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 24.53 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060485.D

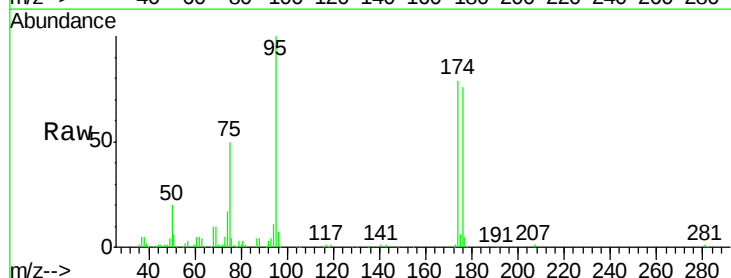
Acq: 12 Mar 2020 17:27

Tgt Ion: 75 Resp: 74618

Ion Ratio Lower Upper

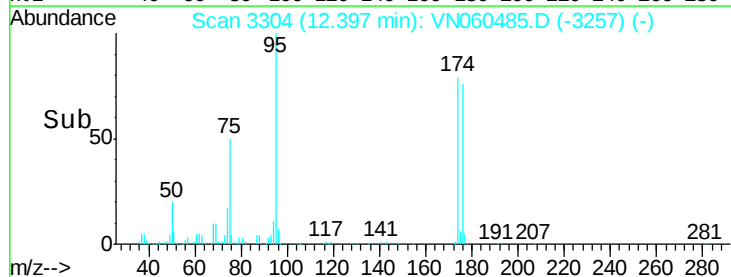
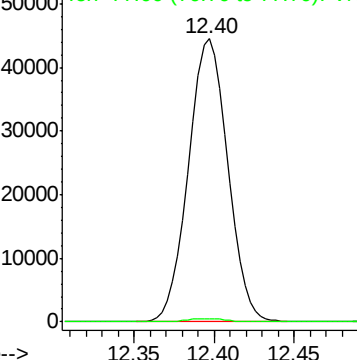
75 100

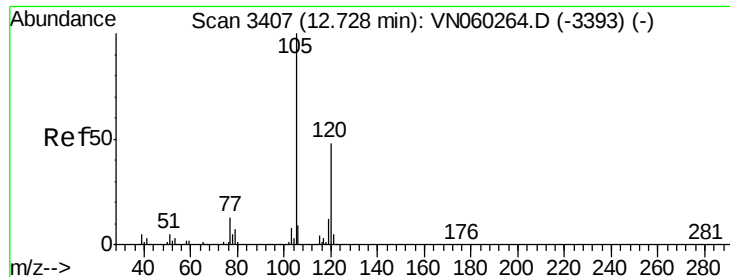
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

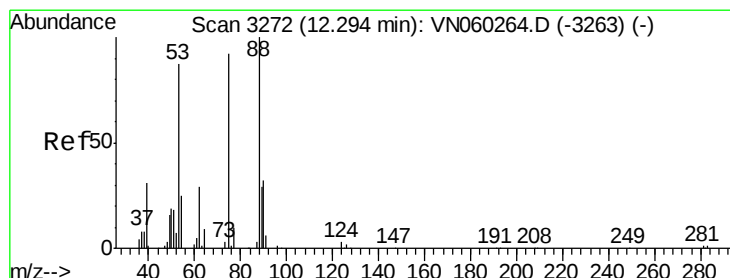
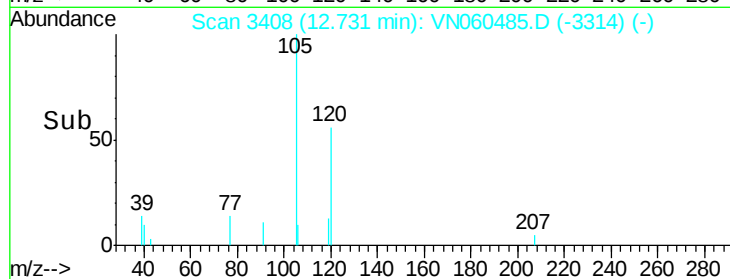
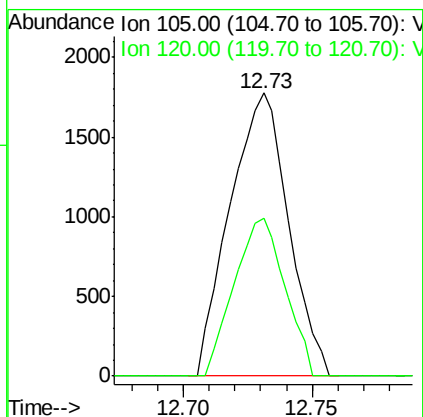
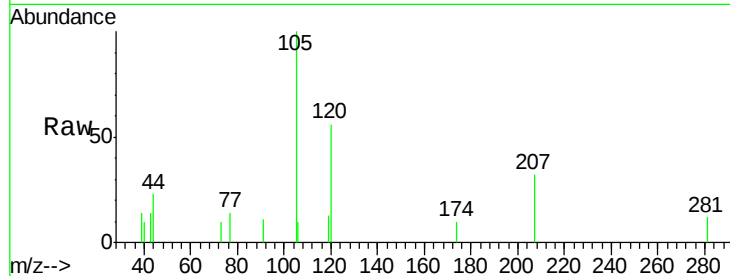




#80
 1,3,5-Trimethylbenzene
 Concen: 0.32 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060485.D
 Acq: 12 Mar 2020 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#07

Tgt Ion: 105 Resp: 2811
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.72 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060485.D
 Acq: 12 Mar 2020 17:27

Tgt Ion: 75 Resp: 74618
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#

