

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060553.D
 Acq On : 17 Mar 2020 13:55
 Operator : JC/MD
 Sample : PB127594TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127594TB

Quant Time: Mar 18 06:43:27 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	202937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	338202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137817	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	132536	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
35) Dibromofluoromethane	7.56	113	98325	62.63	ug/l	0.00
Spiked Amount			Recovery	=	125.26%	
50) Toluene-d8	10.08	98	416361	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.40	95	151736	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	

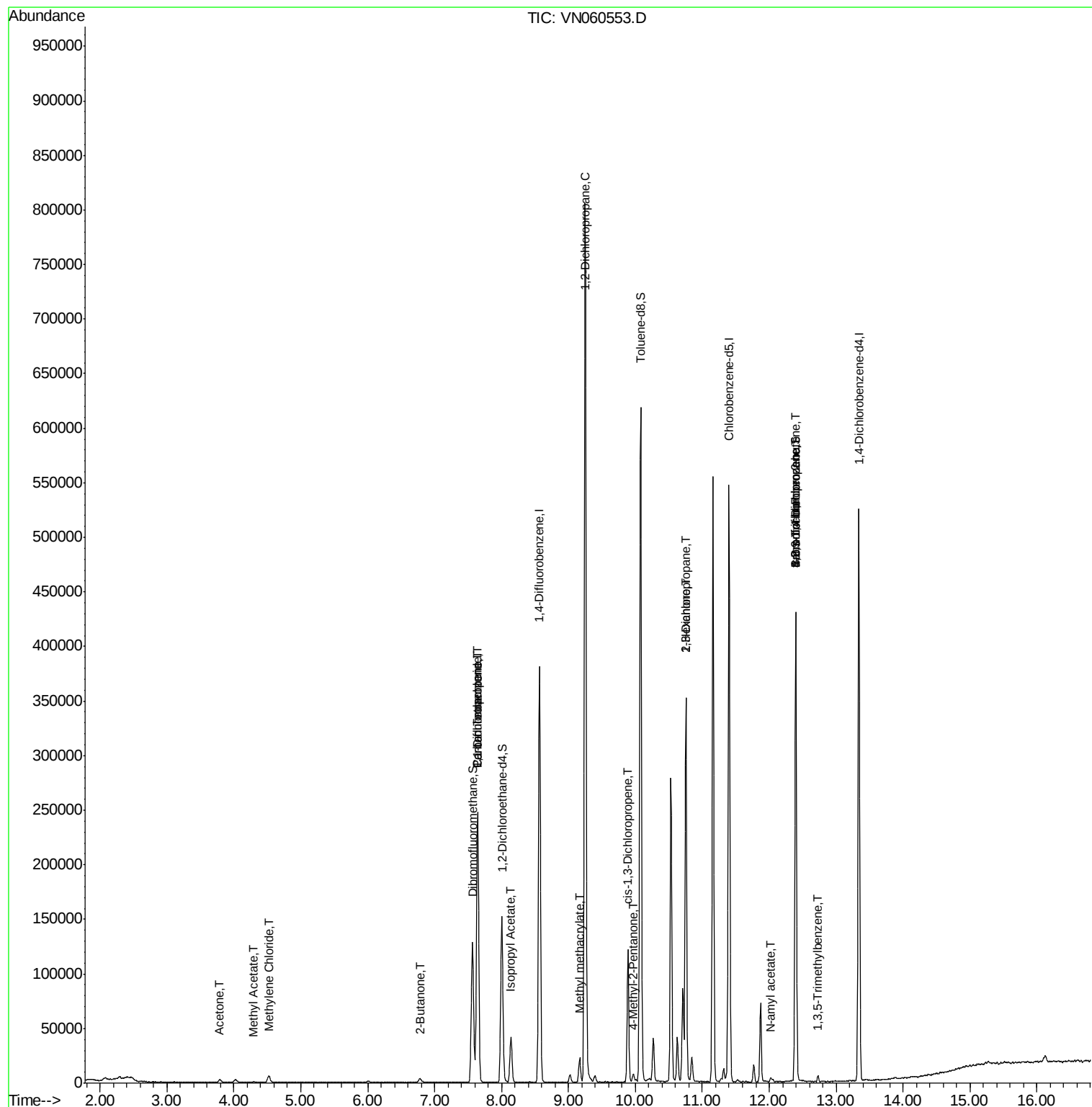
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5004	5.951	ug/l	95
17) Carbon Disulfide	4.03	76	61	Below Cal	#	75
18) Methyl Acetate	4.30	43	1322	0.471	ug/l #	52
20) Methylene Chloride	4.52	84	4427	1.917	ug/l	94
25) 2-Butanone	6.80	43	463	0.341	ug/l #	49
31) Cyclohexane	7.64	56	4189	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15985	4.959	ug/l #	48
38) Carbon Tetrachloride	7.64	117	19864	6.330	ug/l #	16
43) Isopropyl Acetate	8.14	43	50466	9.445	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	867	0.353	ug/l #	44
48) Methyl methacrylate	9.16	41	3705	1.521	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5789	1.911	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	22059	5.367	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3292	0.852	ug/l #	42
59) 2-Hexanone	10.75	43	52827	23.750	ug/l #	52
71) Bromoform	12.39	173	441	0.263	ug/l #	1
74) N-amyl acetate	12.02	43	2972	0.666	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76643	25.347	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3372	0.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	76643	69.970	ug/l #	8
87) 1,3-Dichlorobenzene	13.36	146	129	Below Cal	#	1
88) 1,4-Dichlorobenzene	13.36	146	129	Below Cal	#	1
95) Naphthalene	15.13	128	445	Below Cal	#	69

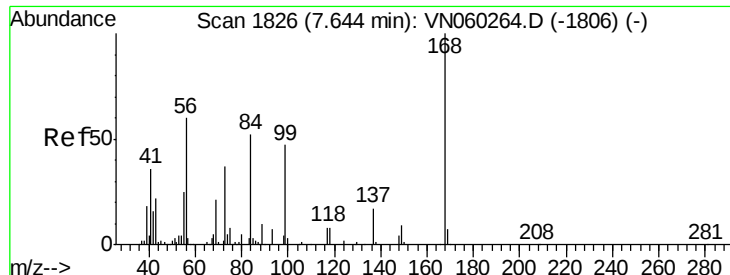
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031720\
Data File : VN060553.D
Acq On : 17 Mar 2020 13:55
Operator : JC/MD
Sample : PB127594TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB127594TB

Quant Time: Mar 18 06:43:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

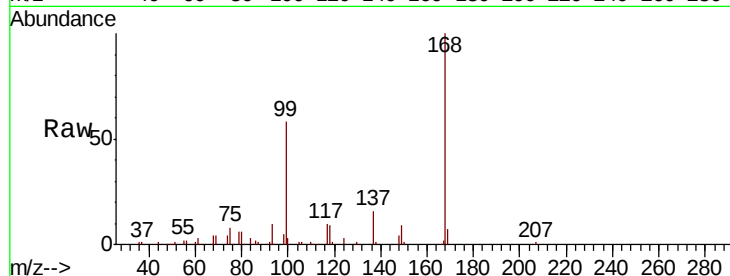
PB127594TB

Tot Ion:168 Resp: 202937

Ion Ratio Lower Upper

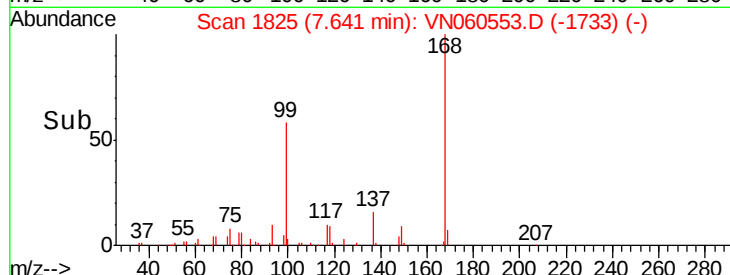
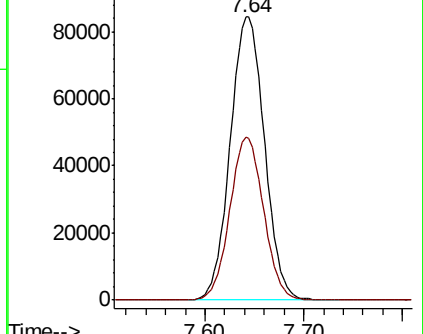
168 100

99 57.8 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: 5.951 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060553.D

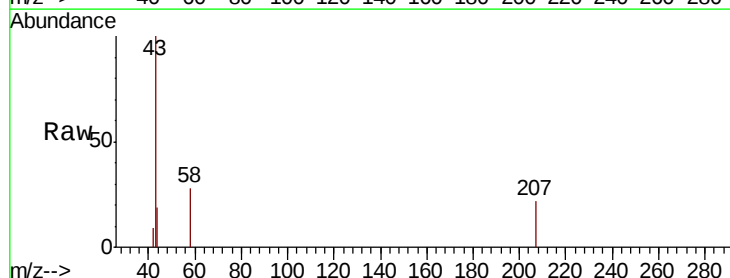
Acq: 17 Mar 2020 13:55

Tgt Ion: 43 Resp: 5004

Ion Ratio Lower Upper

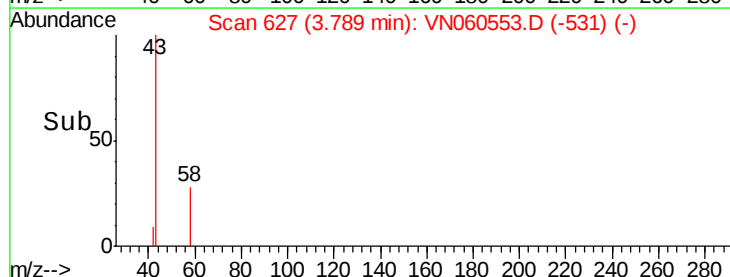
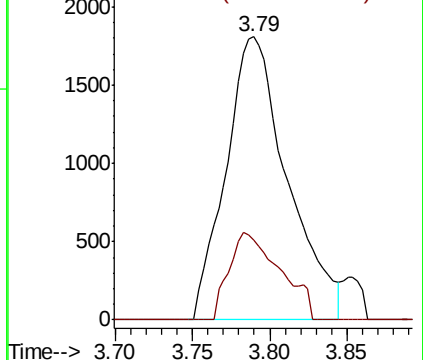
43 100

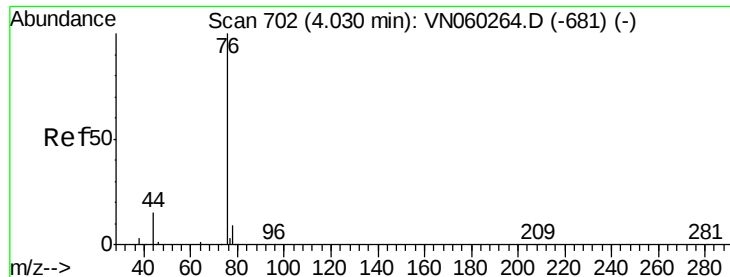
58 28.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

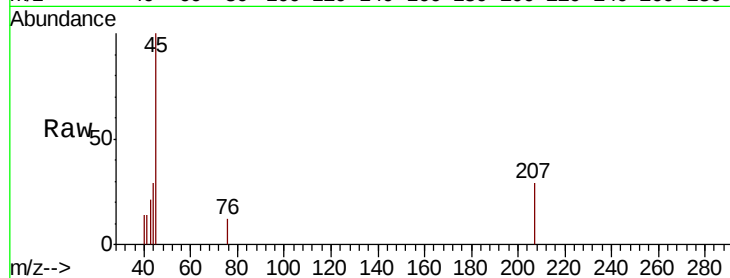
PB127594TB

Tot Ion: 76 Resp: 61

Ion Ratio Lower Upper

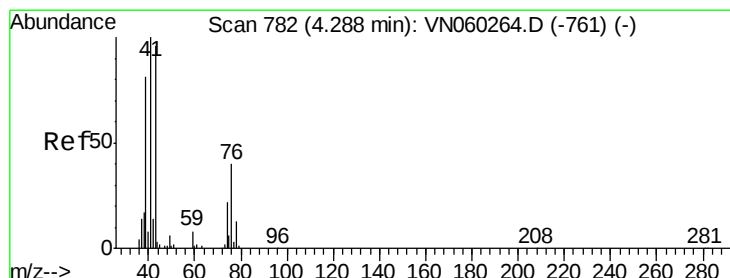
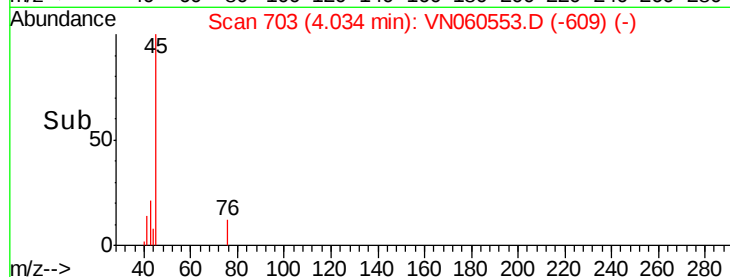
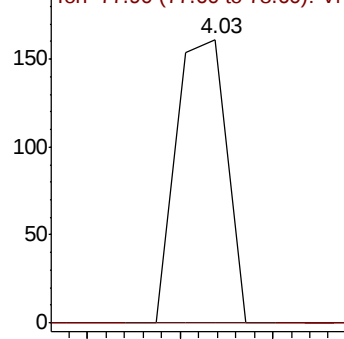
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.471 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.02 min

Lab File: VN060553.D

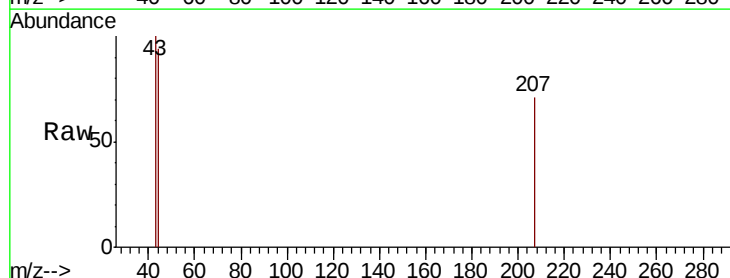
Acq: 17 Mar 2020 13:55

Tgt Ion: 43 Resp: 1322

Ion Ratio Lower Upper

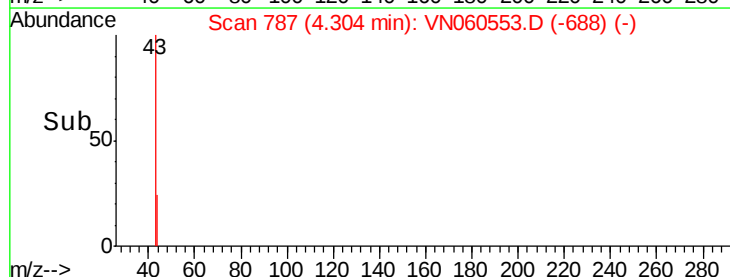
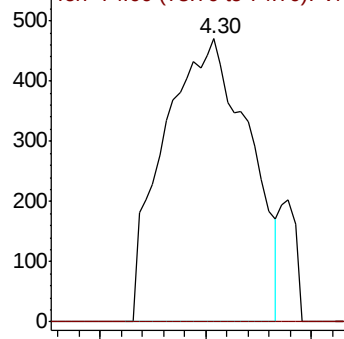
43 100

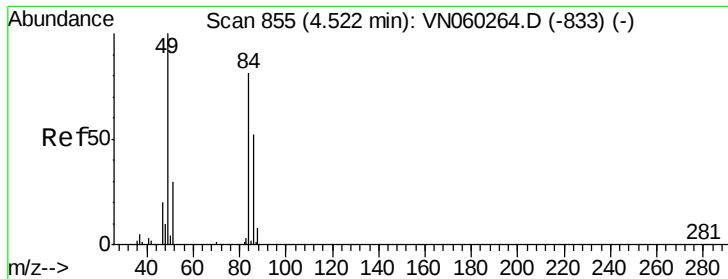
74 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

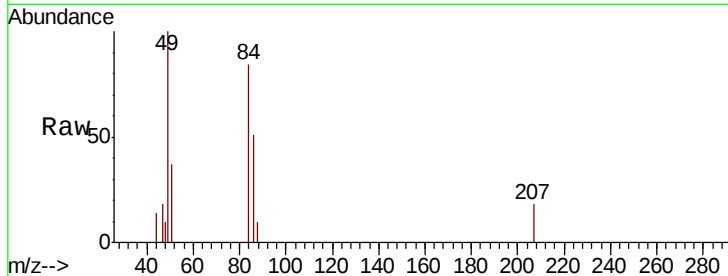




#20
Methvlene Chloride
Concen: 1.917 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060553.D
Acq: 17 Mar 2020 13:55

Instrument :
MSVOA_N
ClientSampled :
PB127594TB

Tot Ion:	84	Resp:	4427
Ion	Ratio	Lower	Upper
84	100		
49	118.9	99.3	148.9
51	44.5	30.1	45.1
86	60.4	51.1	76.7



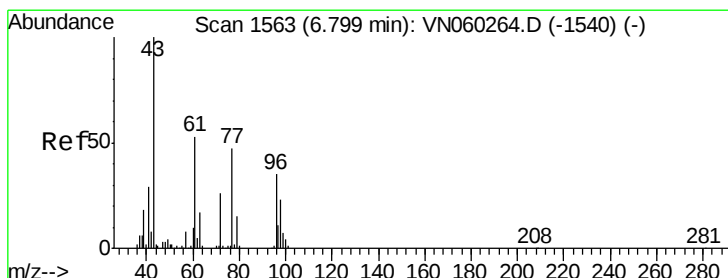
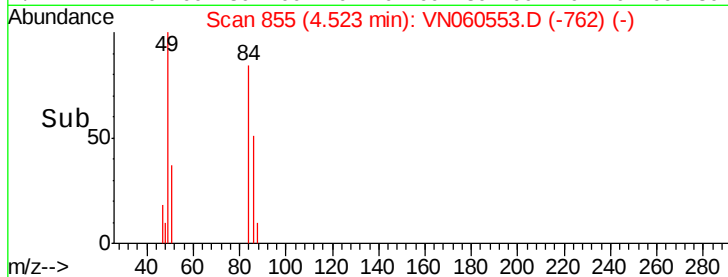
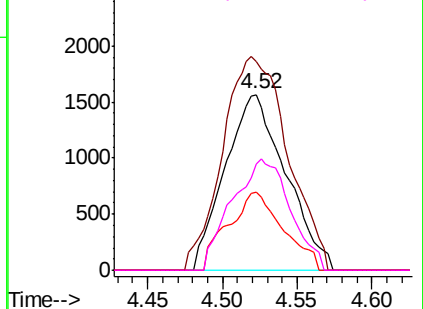
Abundance

Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

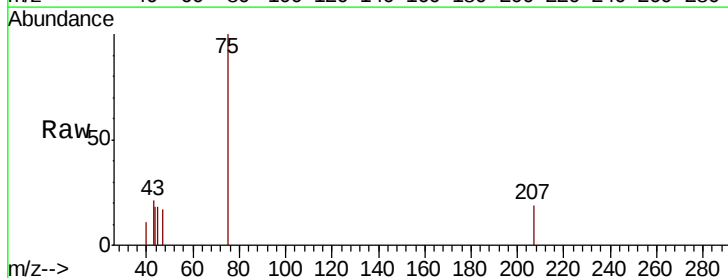
Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#25
2-Butanone
Concen: 0.341 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060553.D
Acq: 17 Mar 2020 13:55

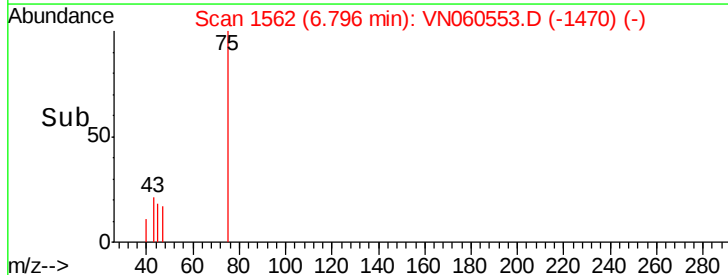
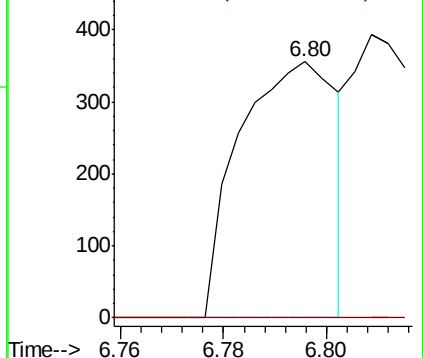
Tgt Ion:	43	Resp:	463
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#



Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

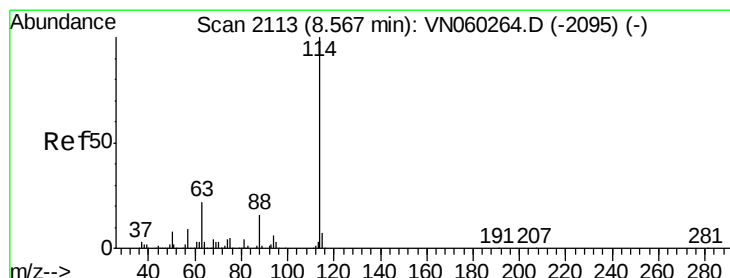
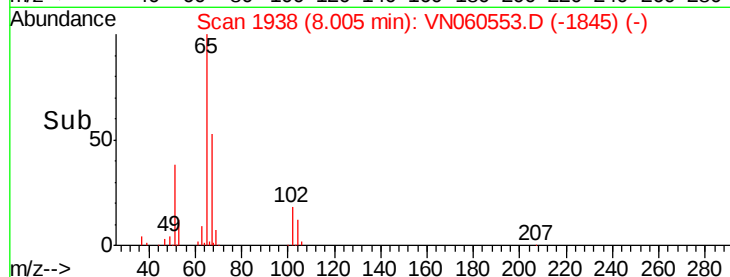
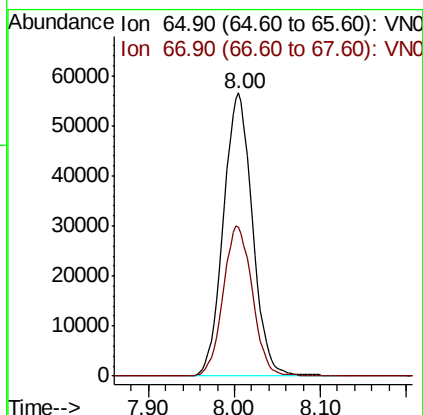
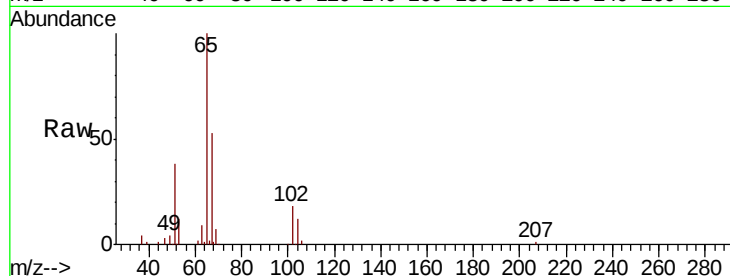




#33
 1,2-Dichloroethane-d4
 Concen: 50.903 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060553.D
 Acq: 17 Mar 2020 13:55

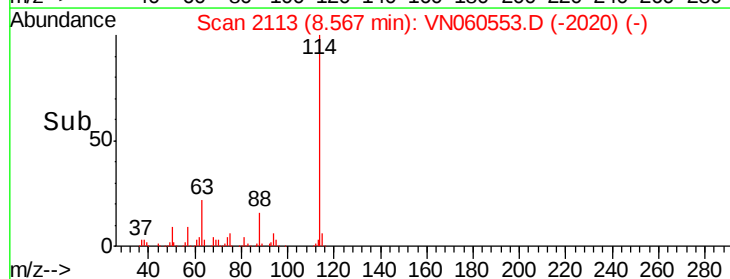
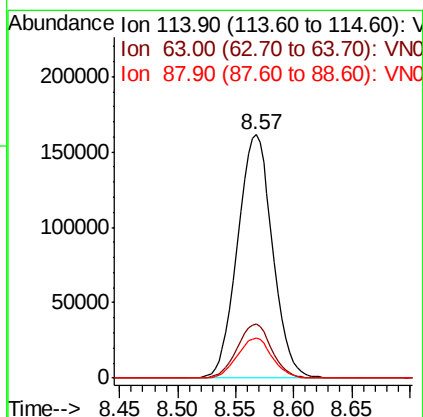
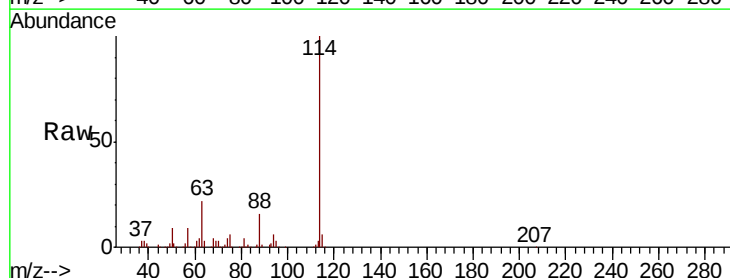
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127594TB

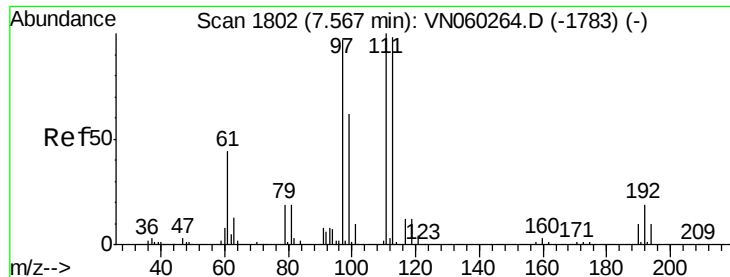
Tot Ion: 65 Resp: 132536
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060553.D
 Acq: 17 Mar 2020 13:55

Tgt Ion: 114 Resp: 338202
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.4 0.0 31.6

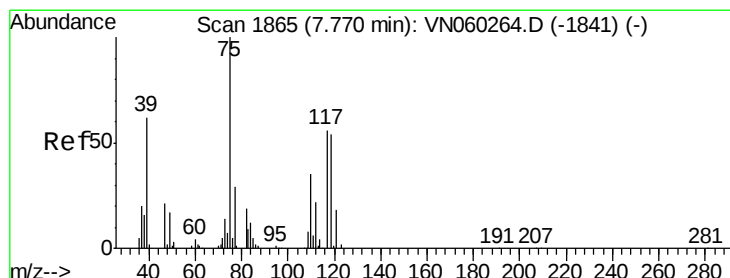
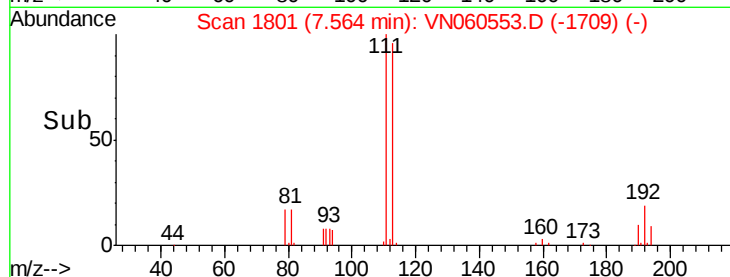
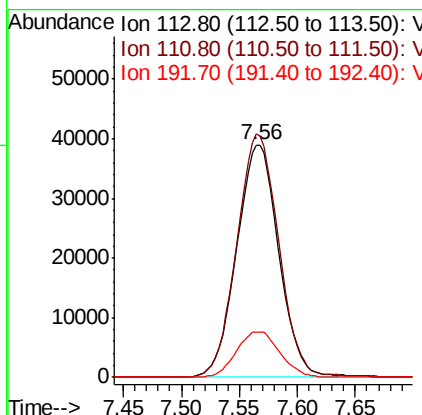
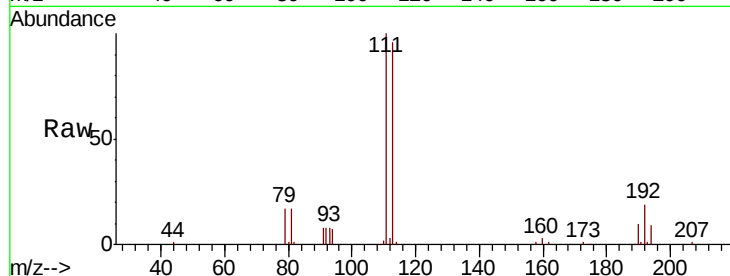




#35
 Dibromofluoromethane
 Concen: 62.634 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060553.D
 Acq: 17 Mar 2020 13:55

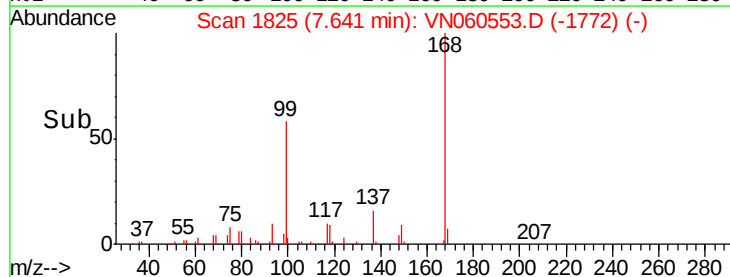
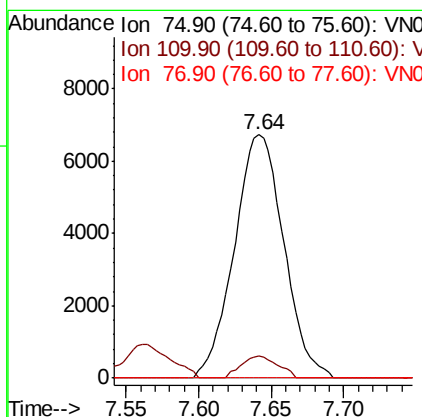
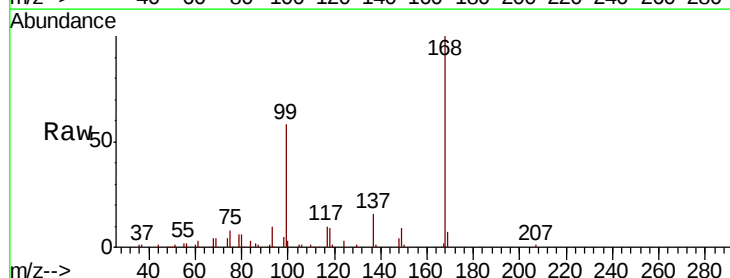
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127594TB

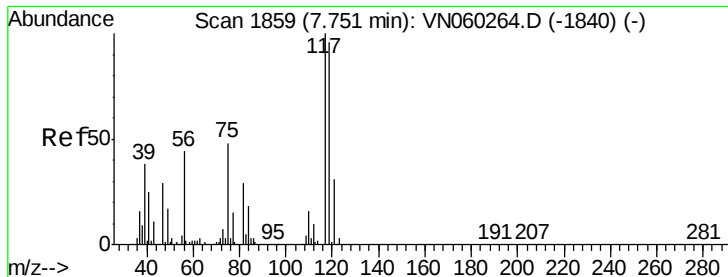
Tot Ion:113 Resp: 98325
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.4 123.6
 192 20.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060553.D
 Acq: 17 Mar 2020 13:55

Tgt Ion: 75 Resp: 15985
 Ion Ratio Lower Upper
 75 100
 110 6.7 17.3 52.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.330 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampled :

PB127594TB

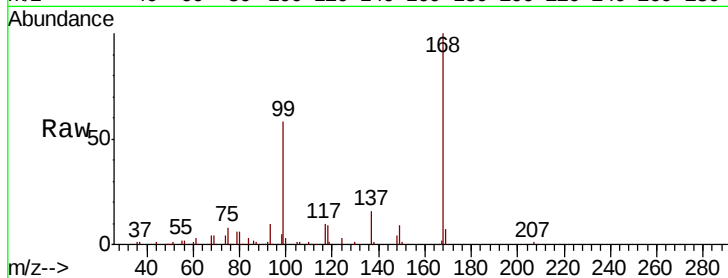
Tot Ion:117 Resp: 19864

Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

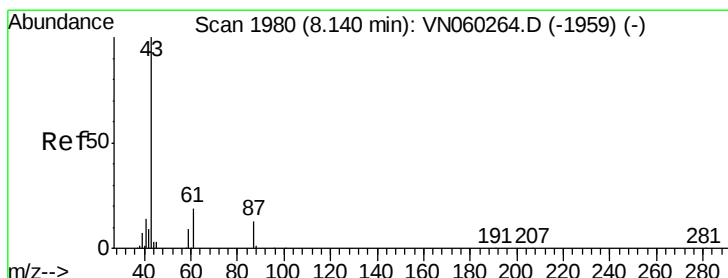
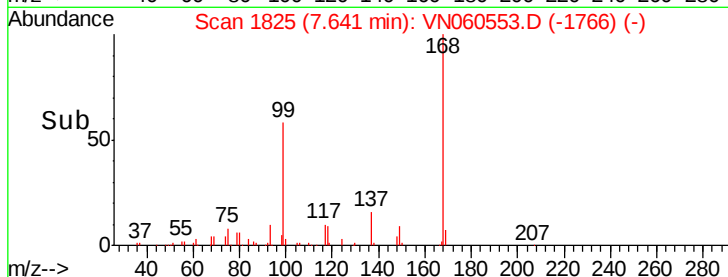
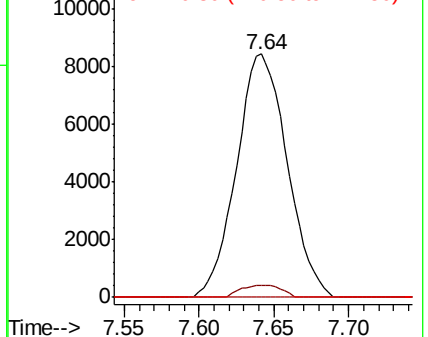
121 0.0 24.5 36.7#



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: 9.445 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

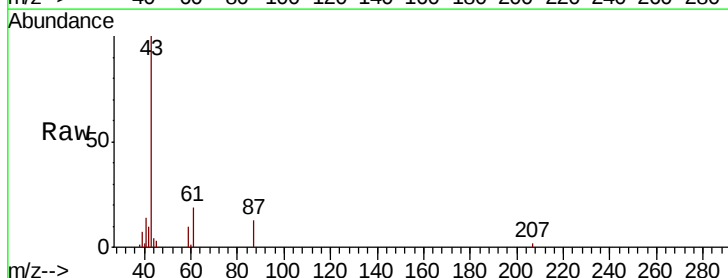
Tgt Ion: 43 Resp: 50466

Ion Ratio Lower Upper

43 100

61 19.0 20.9 31.3#

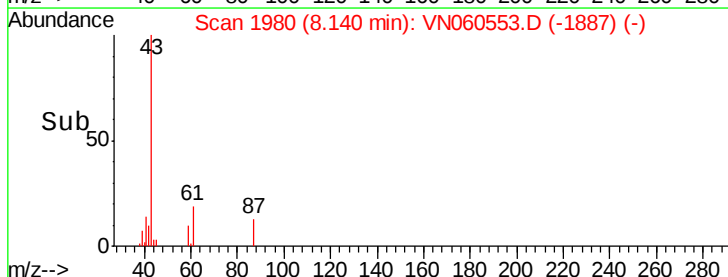
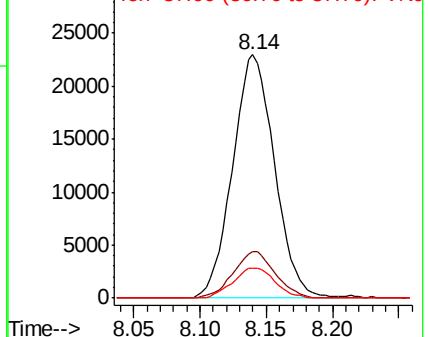
87 12.2 10.6 16.0

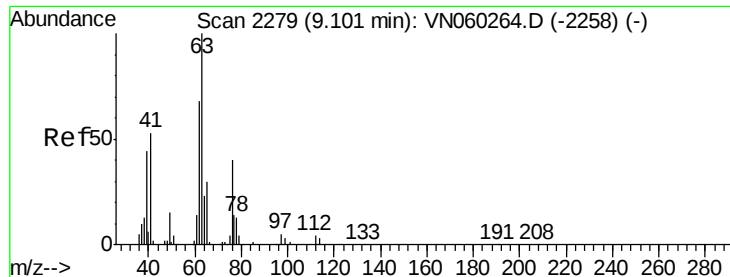


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.353 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

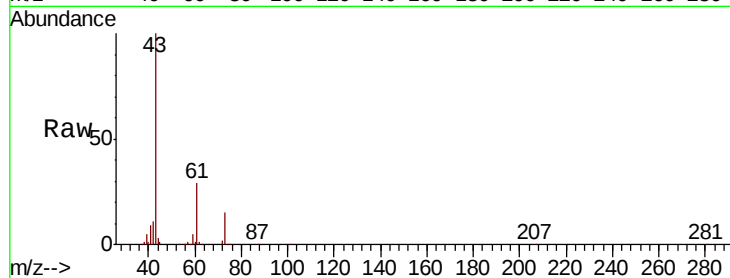
PB127594TB

Tot Ion: 63 Resp: 867

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

600

500

400

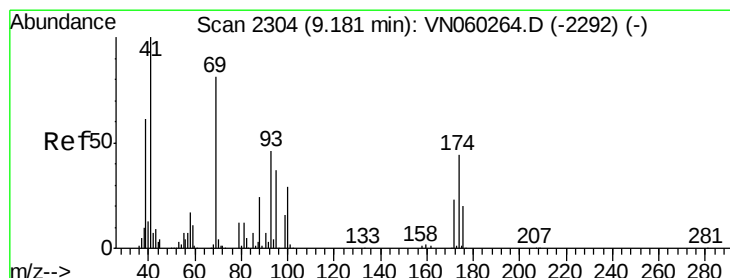
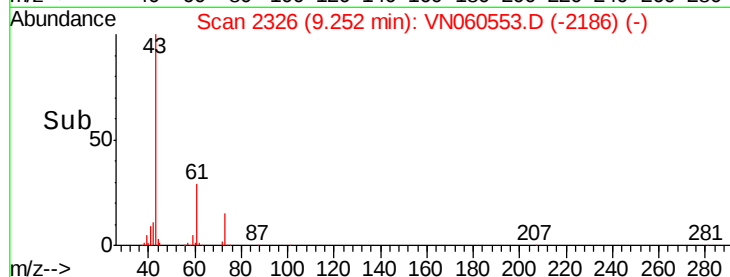
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 1.521 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

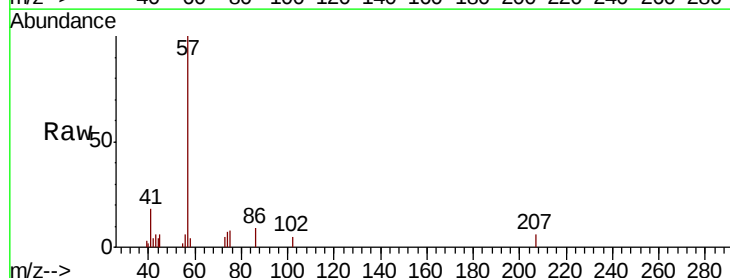
Tgt Ion: 41 Resp: 3705

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): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

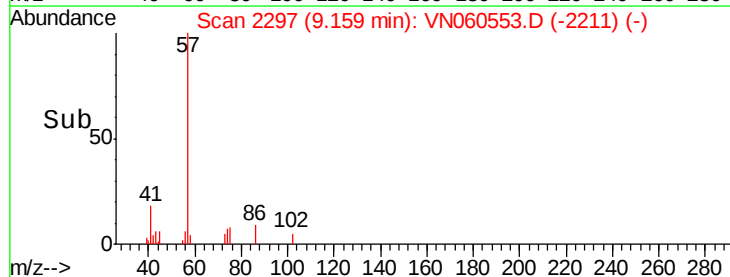
30000

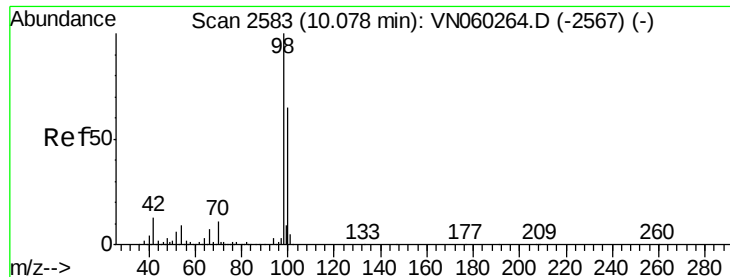
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 52.405 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

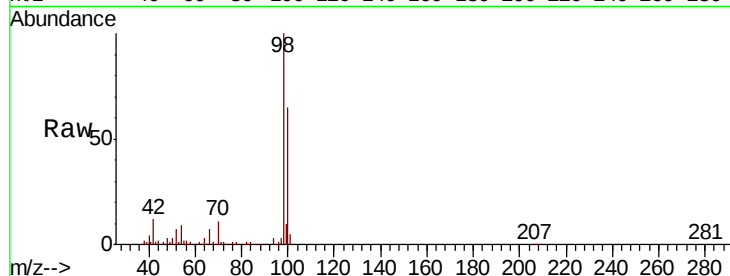
PB127594TB

Tot Ion: 98 Resp: 416361

Ion Ratio Lower Upper

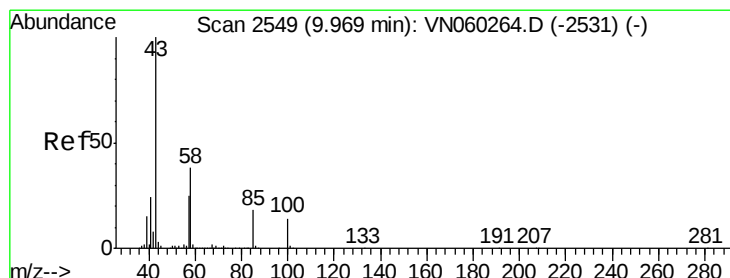
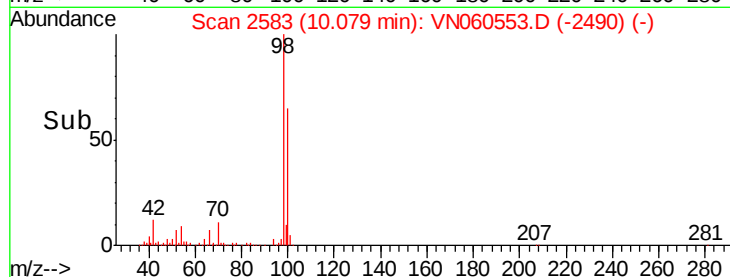
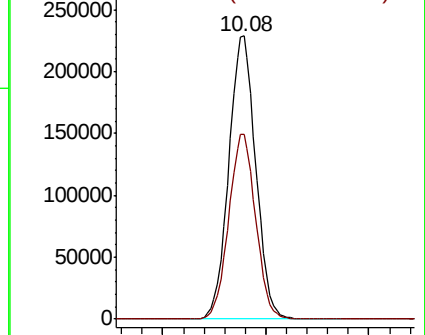
98 100

100 65.2 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: 1.911 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060553.D

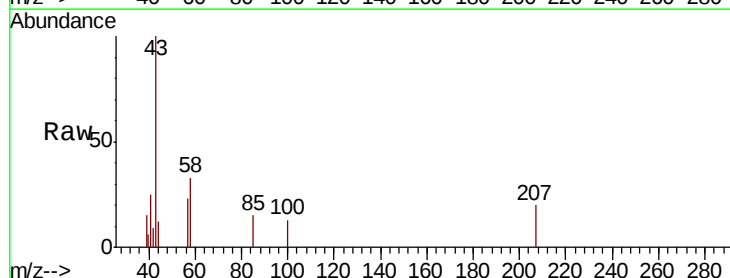
Acq: 17 Mar 2020 13:55

Tgt Ion: 43 Resp: 5789

Ion Ratio Lower Upper

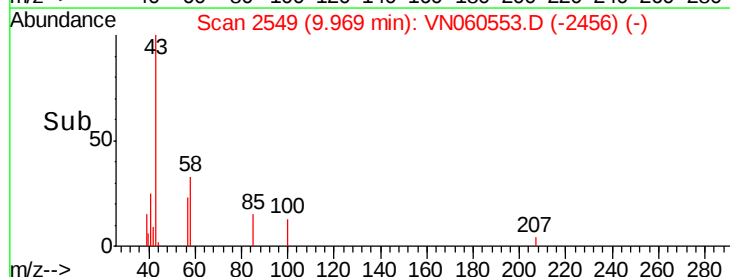
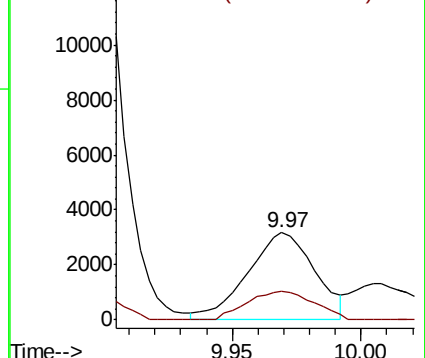
43 100

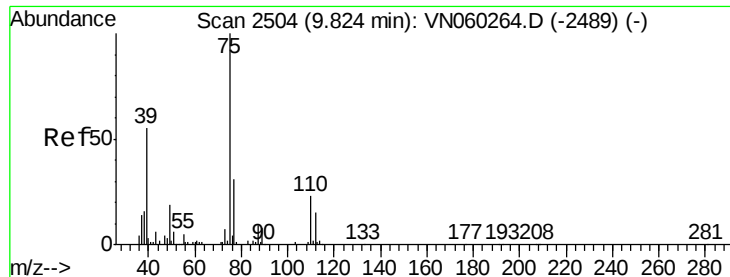
58 32.9 30.9 46.3



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: 5.367 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB127594TB

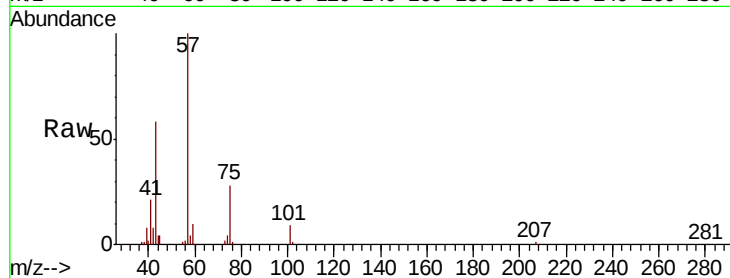
Tot Ion: 75 Resp: 22059

Ion Ratio Lower Upper

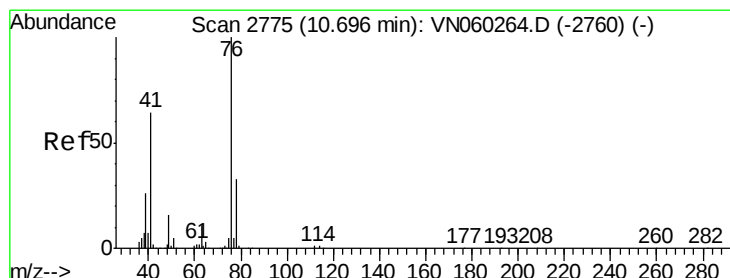
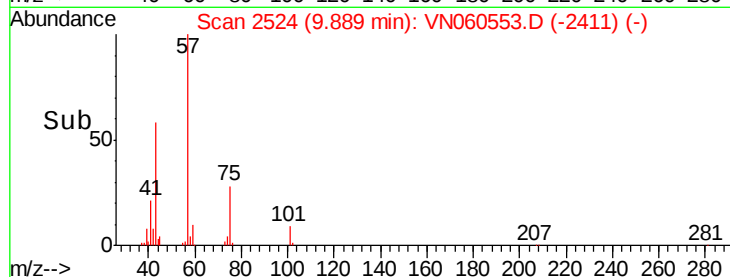
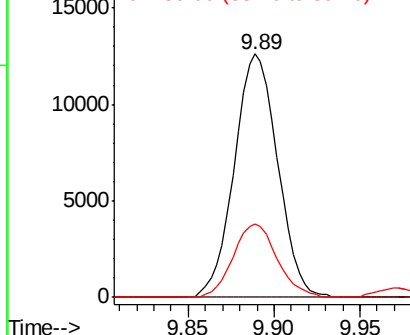
75 100

77 0.0 24.8 37.2#

39 30.1 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 0.852 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060553.D

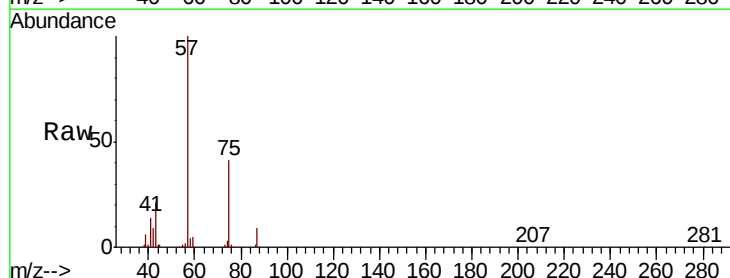
Acq: 17 Mar 2020 13:55

Tgt Ion: 76 Resp: 3292

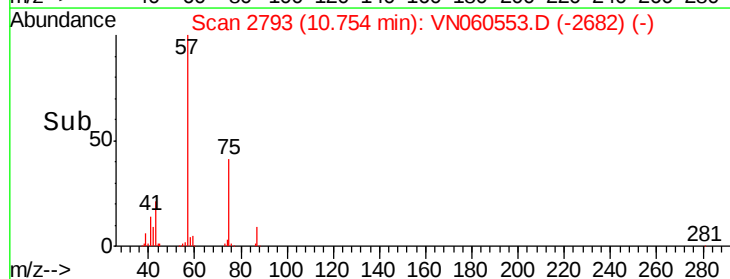
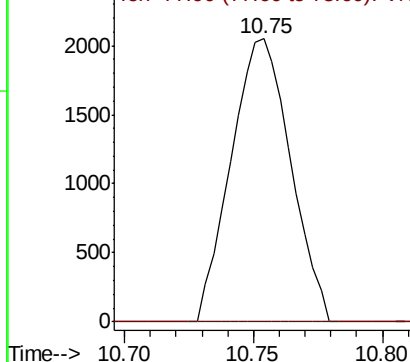
Ion Ratio Lower Upper

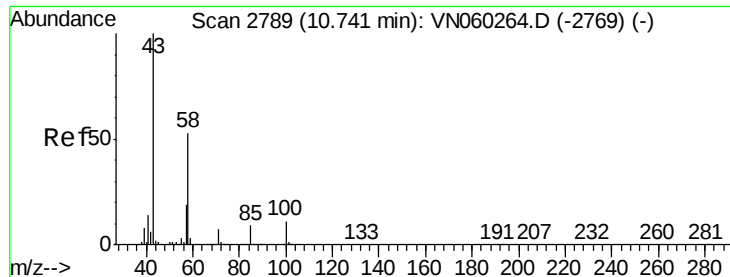
76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

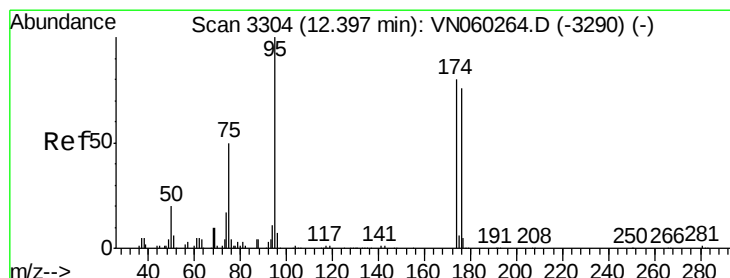
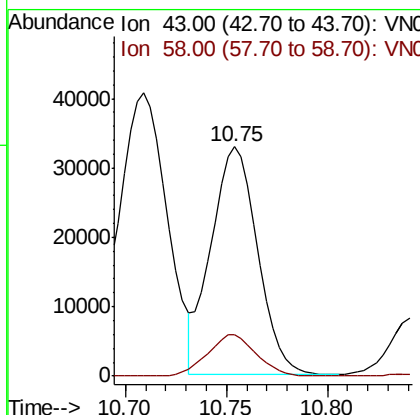
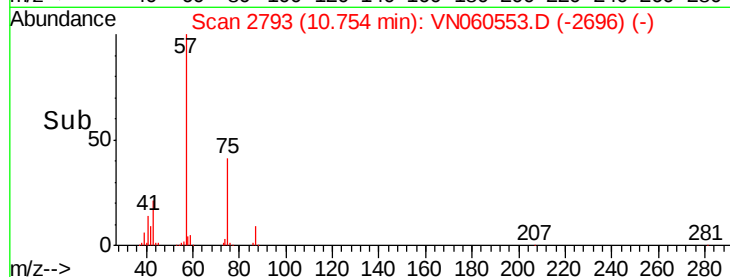
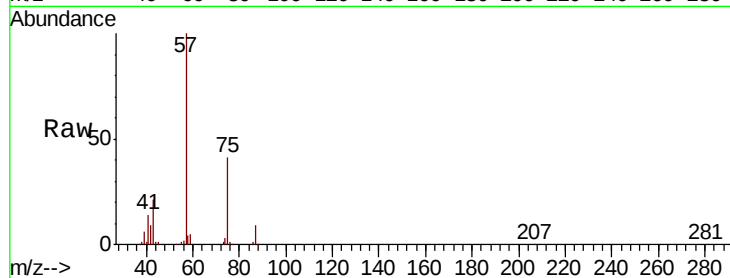




#59
2-Hexanone
Concen: 23.750 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060553.D
Acq: 17 Mar 2020 13:55

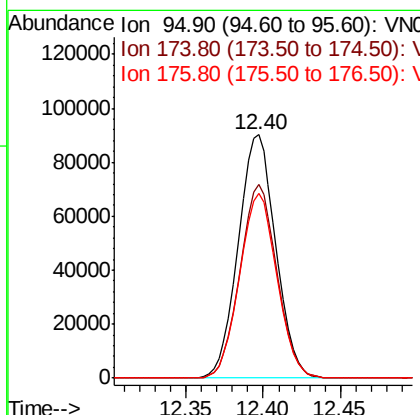
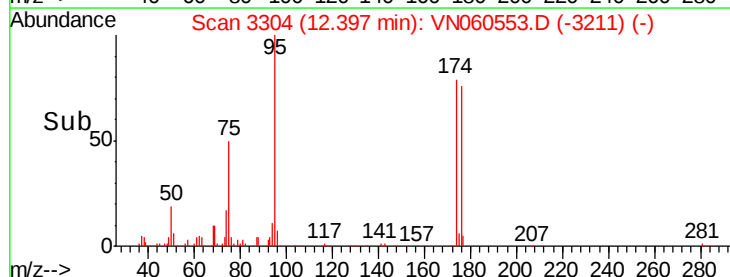
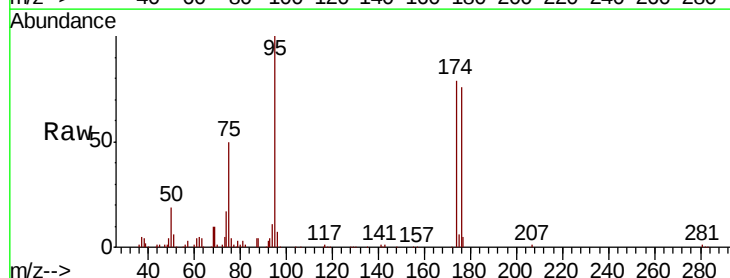
Instrument :
MSVOA_N
ClientSampleId :
PB127594TB

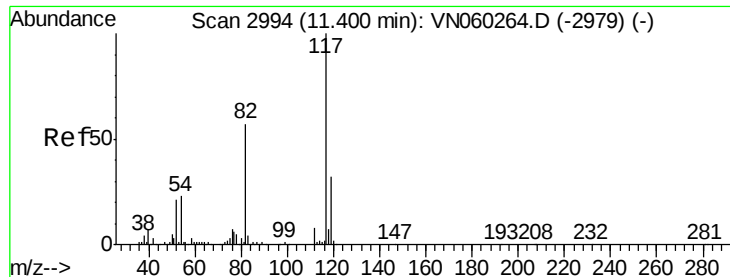
Tot Ion: 43 Resp: 52827
Ion Ratio Lower Upper
43 100
58 18.9 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 50.381 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060553.D
Acq: 17 Mar 2020 13:55

Tgt Ion: 95 Resp: 151736
Ion Ratio Lower Upper
95 100
174 78.8 0.0 159.2
176 75.8 0.0 153.8

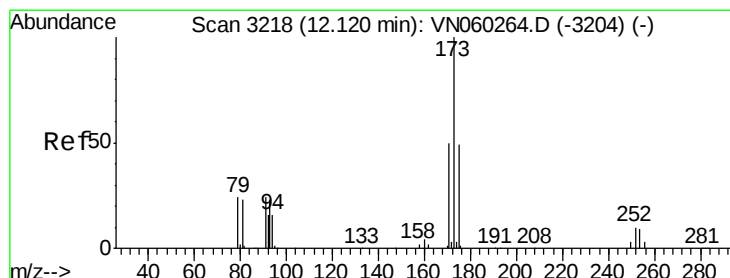
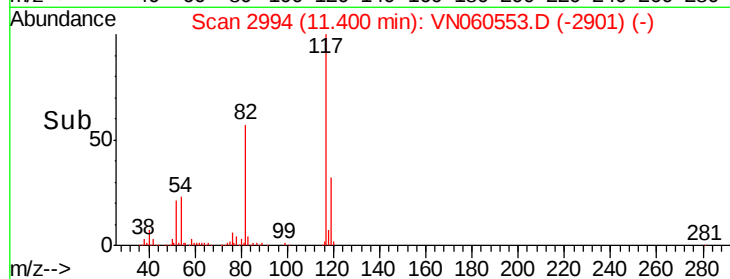
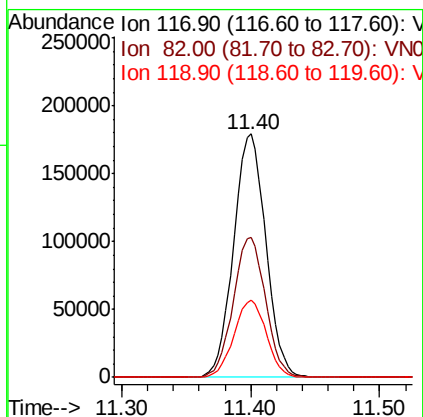
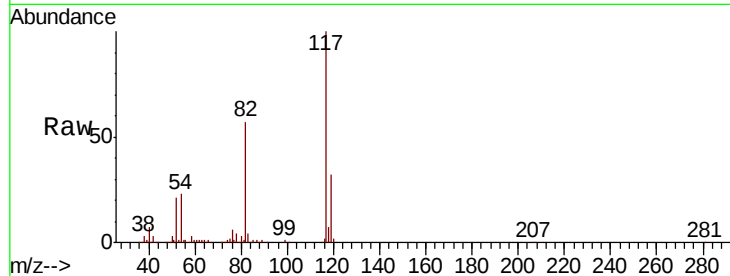




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060553.D
Acq: 17 Mar 2020 13:55

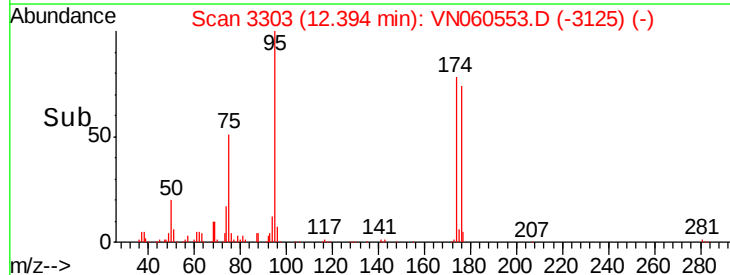
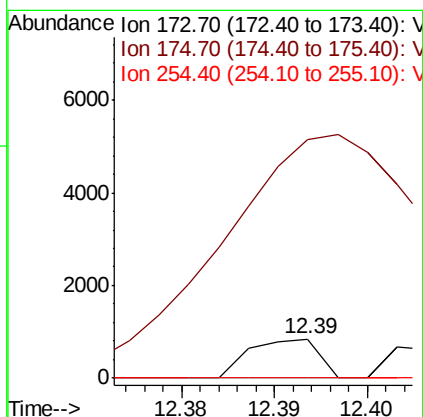
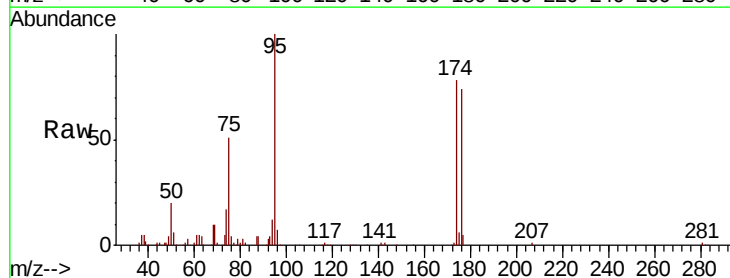
Instrument :
MSVOA_N
ClientSampleId :
PB127594TB

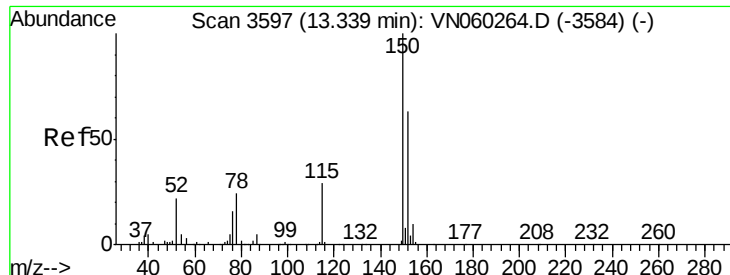
Tot Ion:117 Resp: 311826
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.6
119 31.8 25.8 38.8



#71
Bromoform
Concen: 0.263 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060553.D
Acq: 17 Mar 2020 13:55

Tgt Ion:173 Resp: 441
Ion Ratio Lower Upper
173 100
175 1697.5 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB127594TB

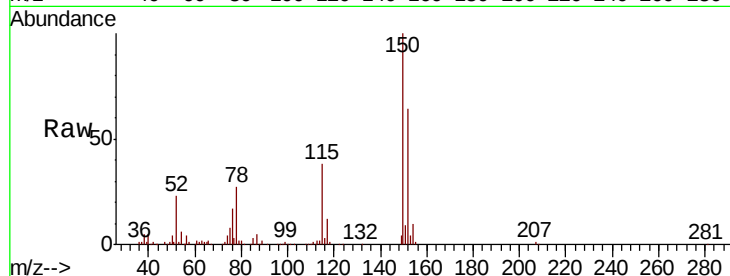
Tot Ion:152 Resp: 137817

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

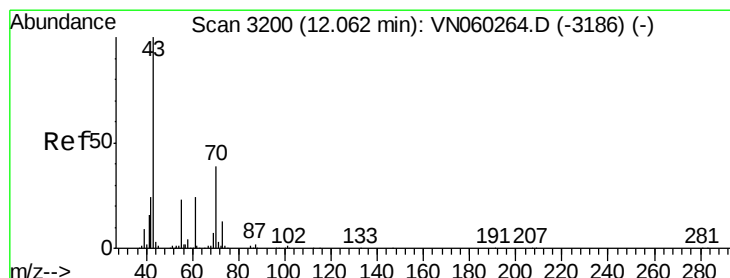
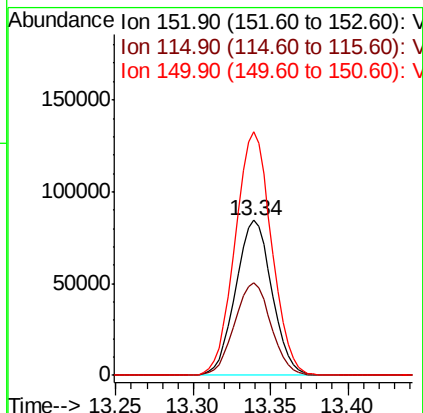
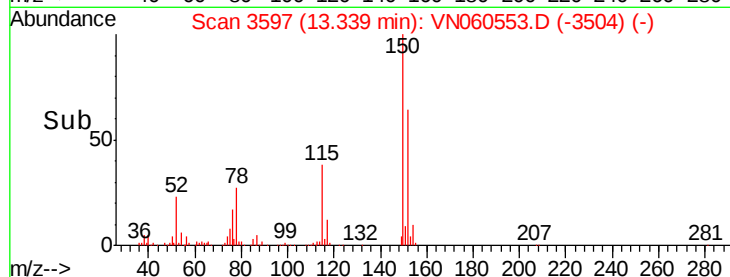
150 157.7 0.0 349.6



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: 0.666 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Tgt Ion: 43 Resp: 2972

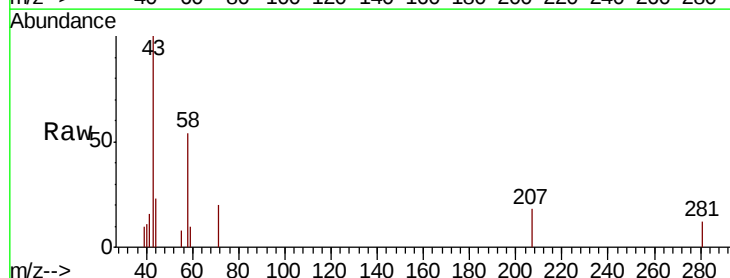
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 1.0 18.2 27.4#

61 0.0 19.2 28.8#

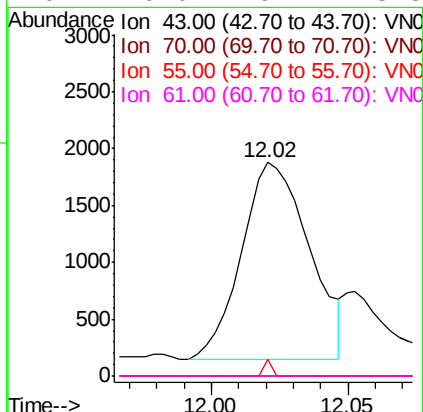
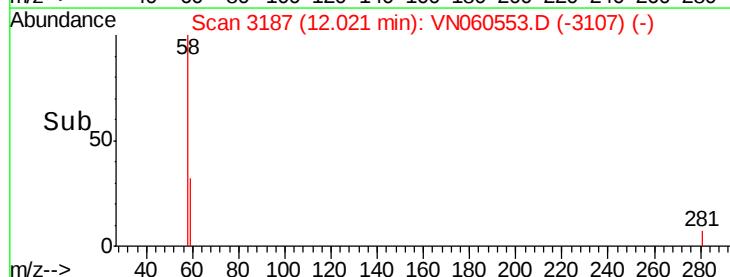


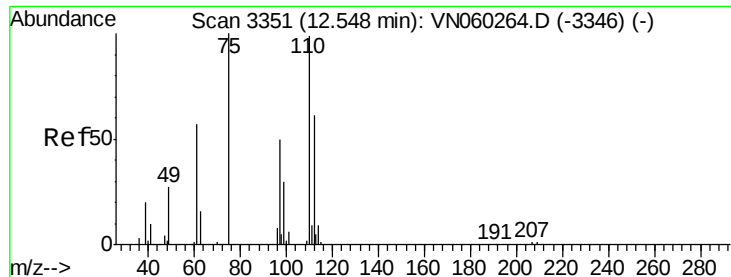
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.347 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

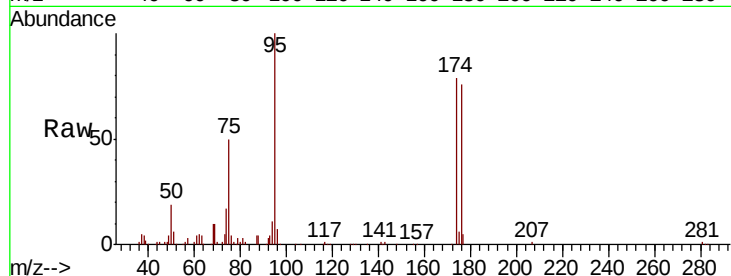
PB127594TB

Tot Ion: 75 Resp: 76643

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060264.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060264.D (-3346) (-)

12.40

50000

40000

30000

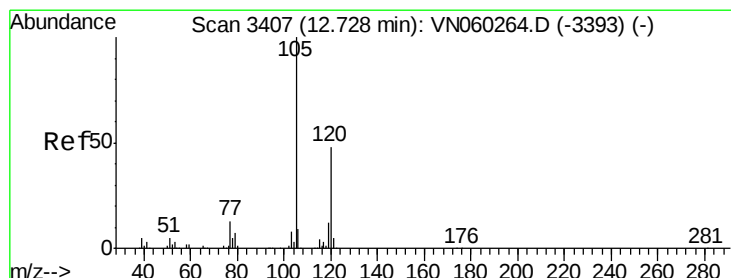
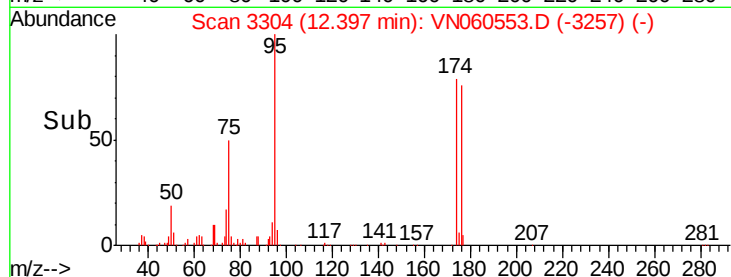
20000

10000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.392 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060553.D

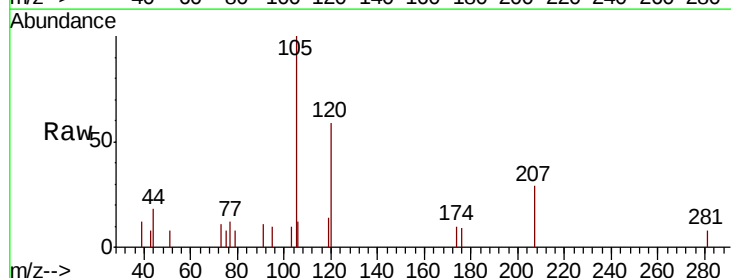
Acq: 17 Mar 2020 13:55

Tgt Ion: 105 Resp: 3372

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060264.D (-3393) (-)

12.73

2000

1500

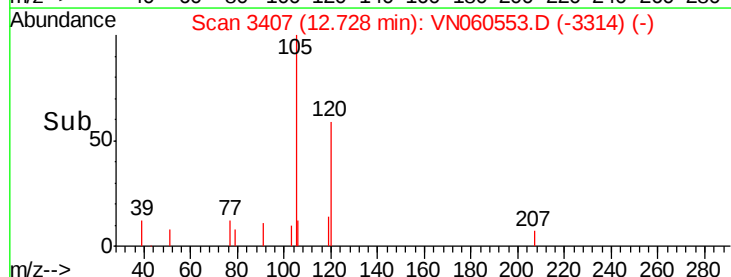
1000

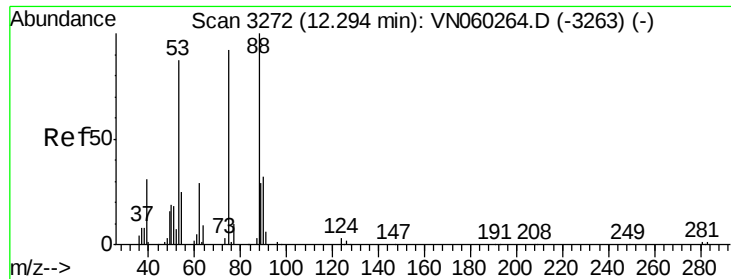
500

0

12.70 12.75

Time-->

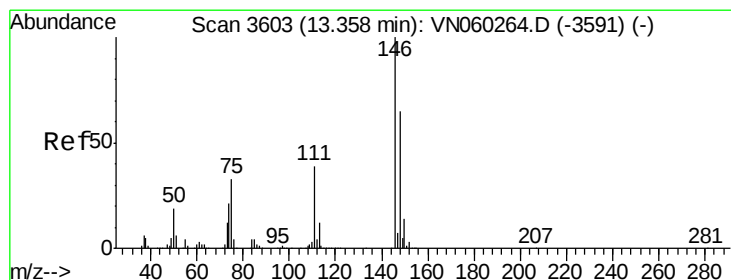
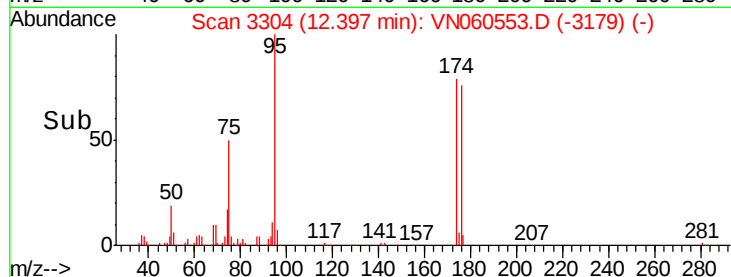
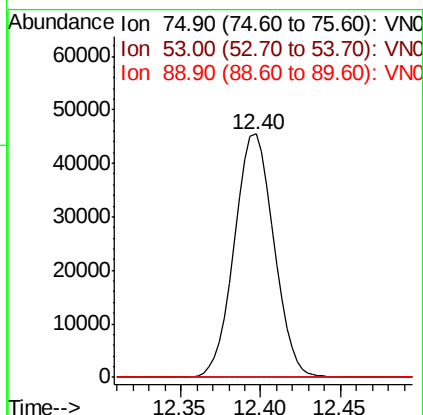
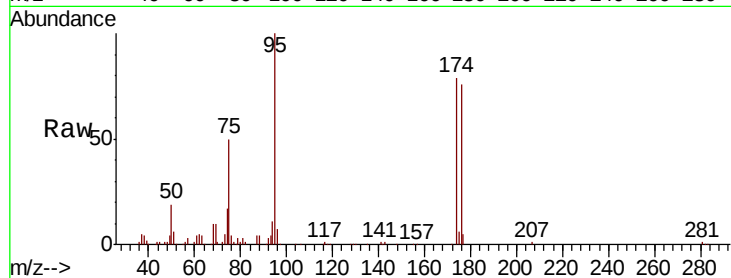




#81
trans-1,4-Dichloro-2-butene
Concen: 69.970 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060553.D
Acq: 17 Mar 2020 13:55

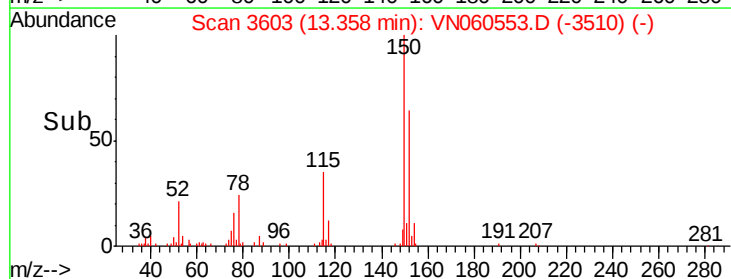
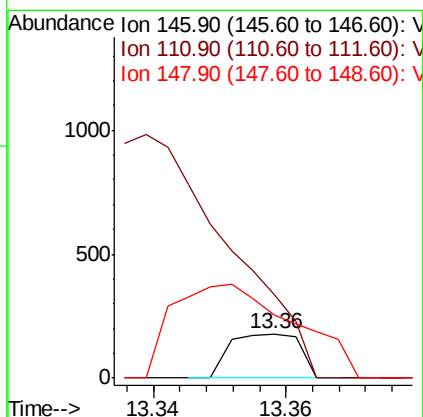
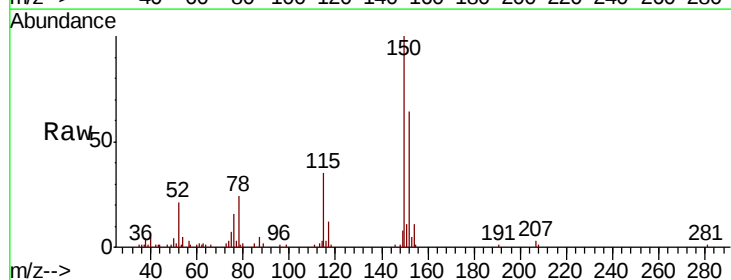
Instrument :
MSVOA_N
ClientSampleId :
PB127594TB

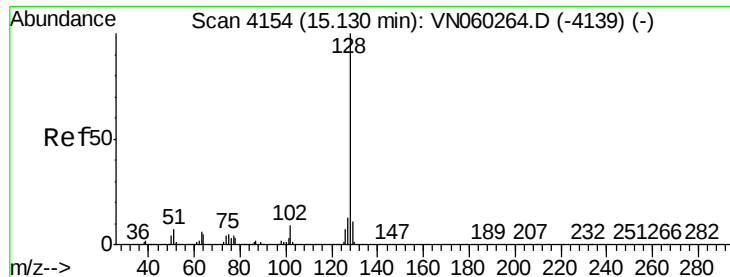
Tot Ion: 75 Resp: 76643
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3603
Delta R.T. 0.00 min
Lab File: VN060553.D
Acq: 17 Mar 2020 13:55

Tgt Ion: 146 Resp: 129
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 373.6 32.3 96.9#





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060553.D

Acq: 17 Mar 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB127594TB

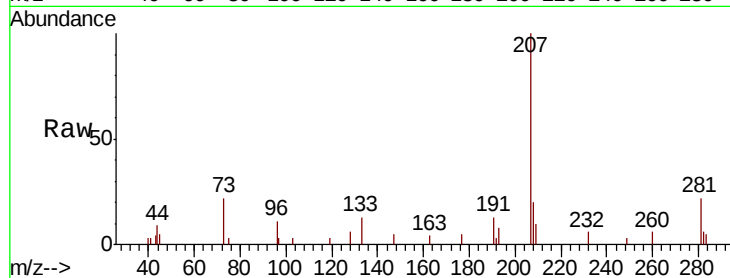
Tot Ion:128 Resp: 445

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

