

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060723.D
 Acq On : 26 Mar 2020 18:52
 Operator : JC/MD
 Sample : PB127792ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#05

Quant Time: Mar 27 05:35:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	349063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	329887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154343	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	135905	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
35) Dibromofluoromethane	7.56	113	103981	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	10.08	98	431864	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	164435	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	

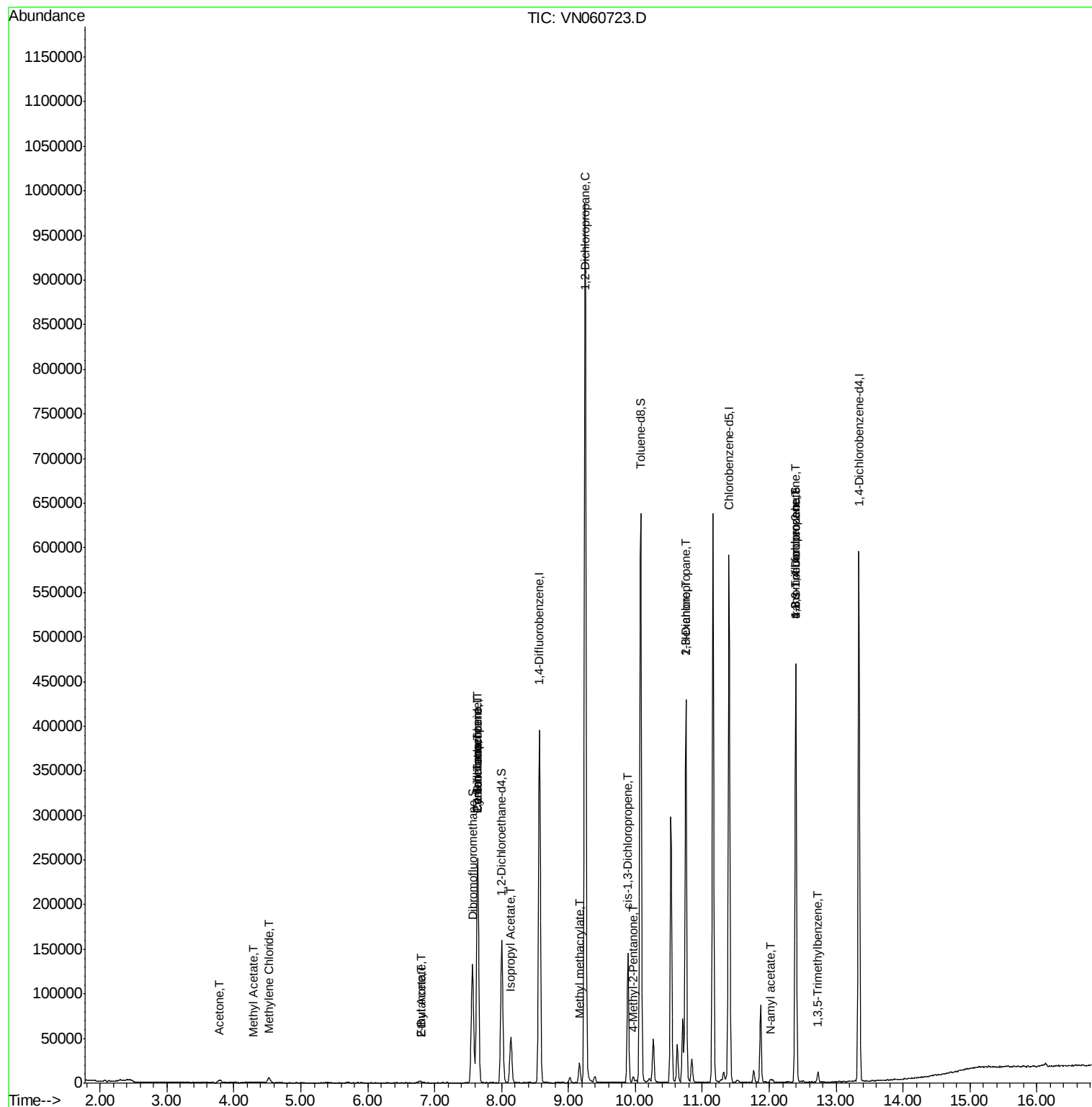
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6260	6.190	ug/l #	86
18) Methyl Acetate	4.28	43	2001	0.703	ug/l #	54
20) Methylene Chloride	4.52	84	4305	1.731	ug/l	95
25) 2-Butanone	6.81	43	1187	0.725	ug/l #	50
31) Cyclohexane	7.64	56	4585	0.997	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16141	4.775	ug/l #	50
37) Ethyl Acetate	6.81	43	1187	0.325	ug/l #	70
38) Carbon Tetrachloride	7.64	117	20058	6.621	ug/l #	17
43) Isopropyl Acetate	8.14	43	60552	10.053	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	1220	0.453	ug/l #	43
48) Methyl methacrylate	9.16	41	3108	1.159	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4484	1.308	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	25375	5.953	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	4218	1.025	ug/l #	42
59) 2-Hexanone	10.75	43	62833	25.449	ug/l #	52
74) N-amyl acetate	12.02	43	2572	0.481	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	82881	24.886	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6626	0.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	82881	63.915	ug/l #	13

(#) = 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: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA_N

ClientSampleId :

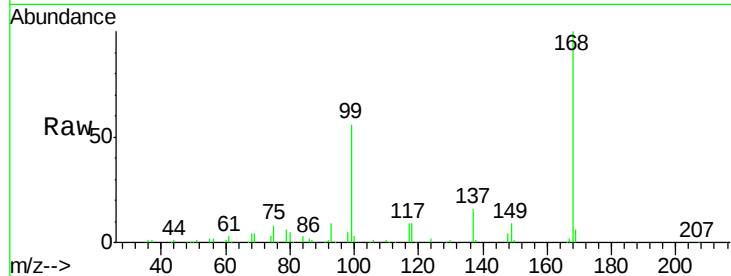
PB127792ZHE#05

Tgt Ion:168 Resp: 207969

Ion Ratio Lower Upper

168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

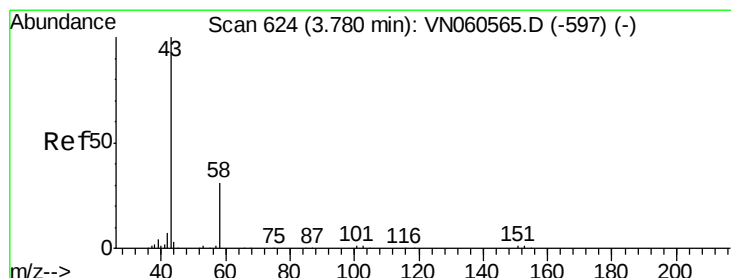
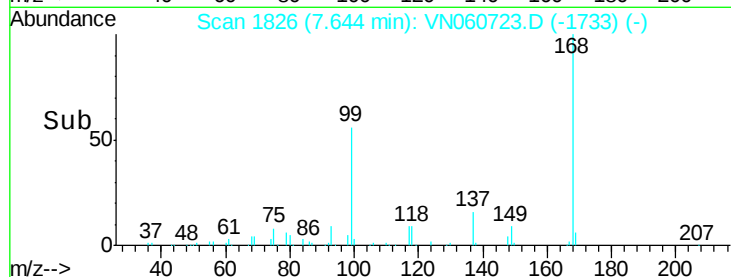
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.190 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060723.D

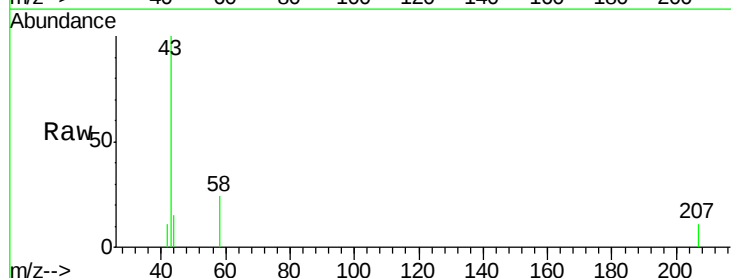
Acq: 26 Mar 2020 18:52

Tgt Ion: 43 Resp: 6260

Ion Ratio Lower Upper

43 100

58 23.9 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

2500

2000

1500

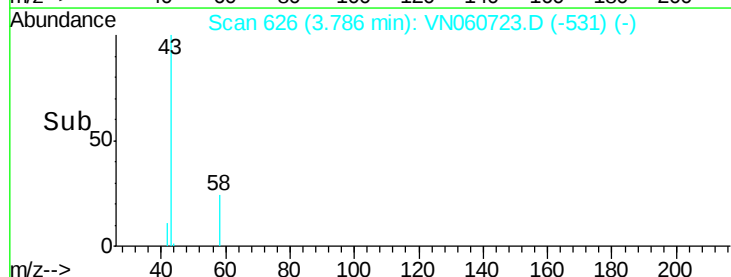
1000

500

0

3.70 3.75 3.80 3.85 3.90

Time-->

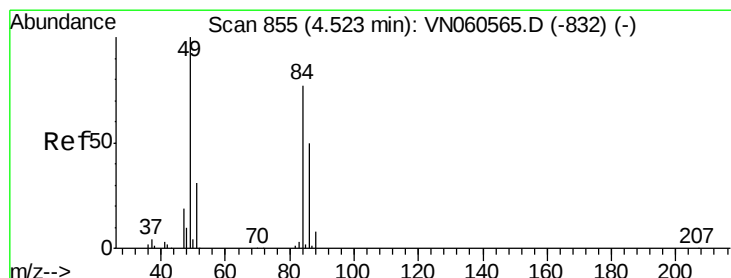
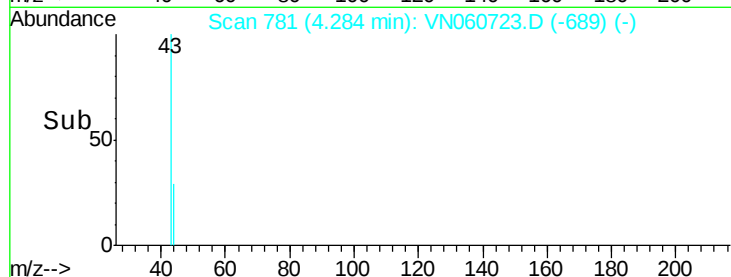
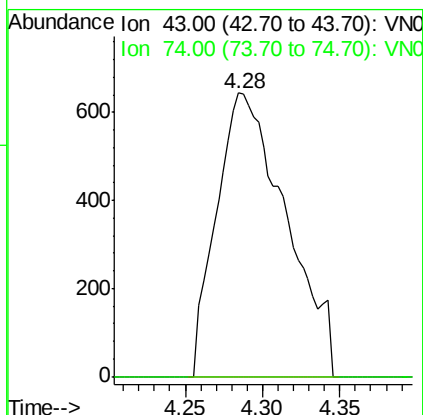
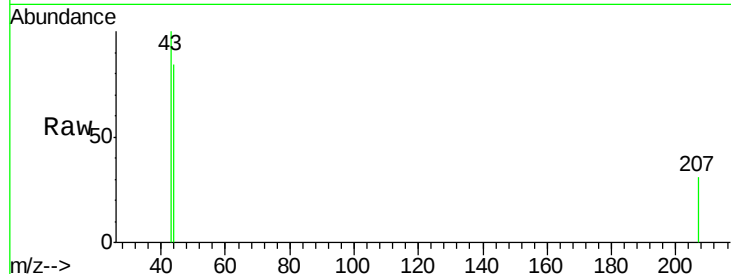




#18
Methyl Acetate
Concen: 0.703 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060723.D
Acq: 26 Mar 2020 18:52

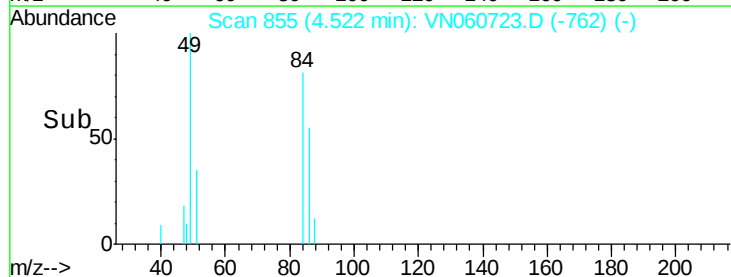
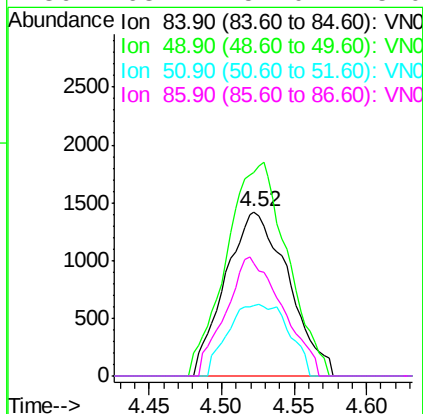
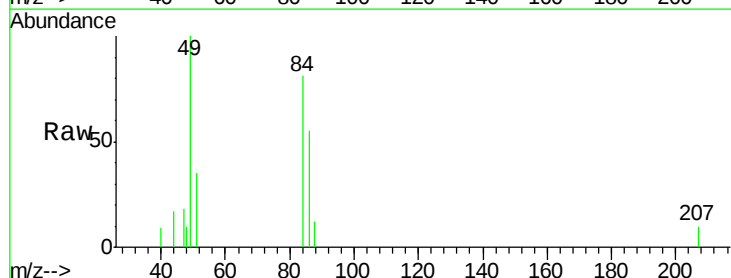
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#05

Tgt Ion: 43 Resp: 2001
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.731 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060723.D
Acq: 26 Mar 2020 18:52

Tgt Ion: 84 Resp: 4305
Ion Ratio Lower Upper
84 100
49 123.9 103.3 154.9
51 42.8 31.6 47.4
86 68.4 52.0 78.0

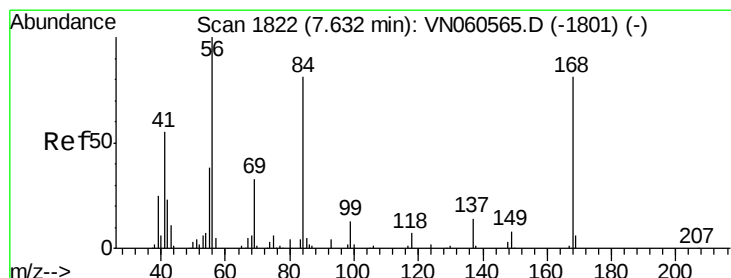
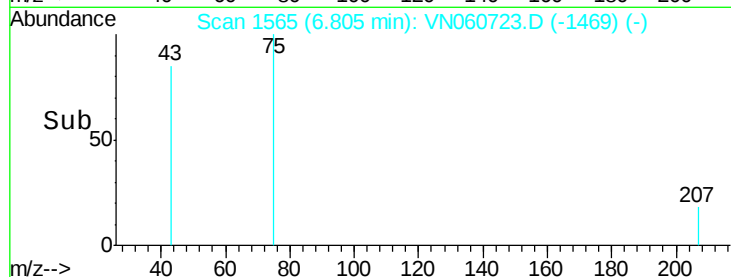
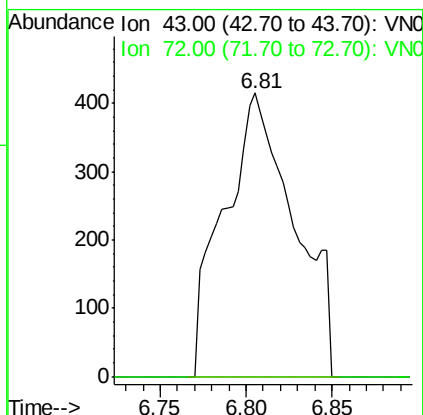
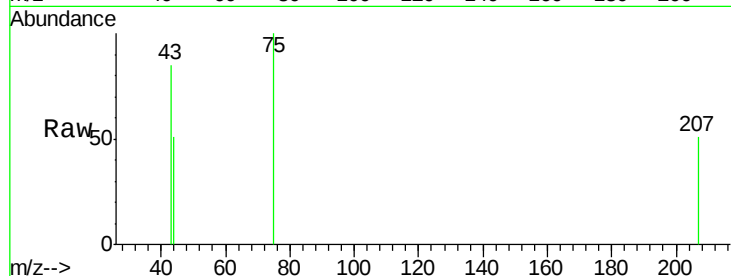




#25
2-Butanone
Concen: 0.725 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060723.D
Acq: 26 Mar 2020 18:52

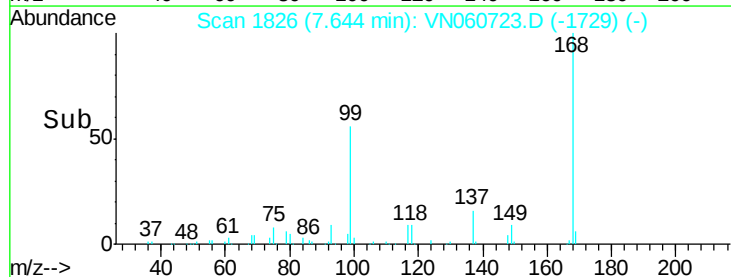
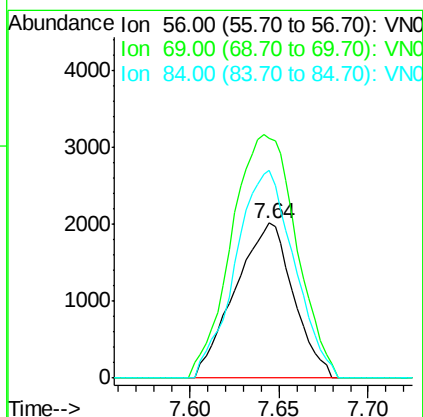
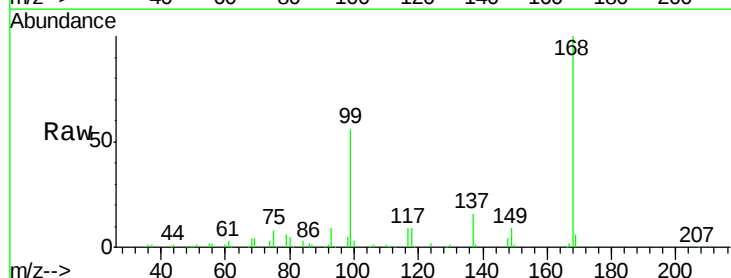
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#05

Tgt Ion: 43 Resp: 1187
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.997 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060723.D
Acq: 26 Mar 2020 18:52

Tgt Ion: 56 Resp: 4585
Ion Ratio Lower Upper
56 100
69 155.0 26.6 40.0#
84 133.7 64.3 96.5#

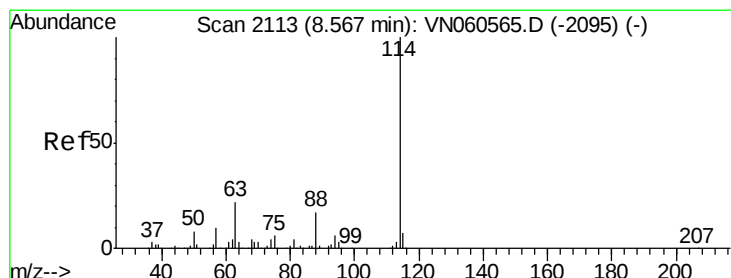
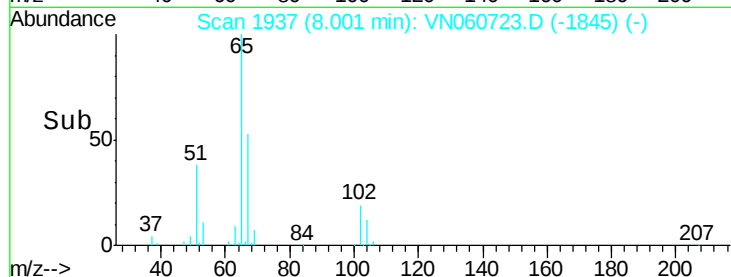
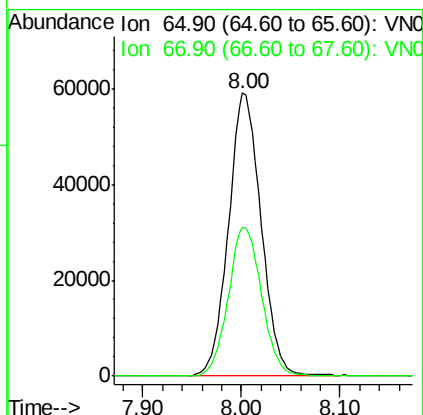
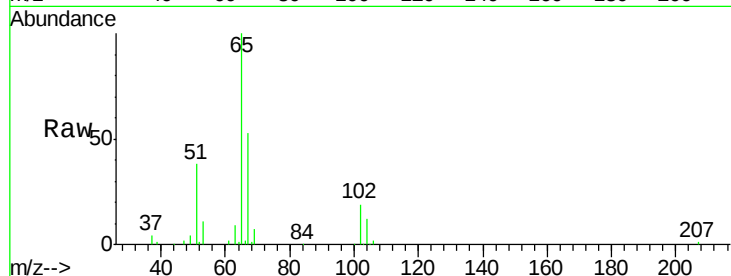




#33
 1,2-Dichloroethane-d4
 Concen: 47.603 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060723.D
 Acq: 26 Mar 2020 18:52

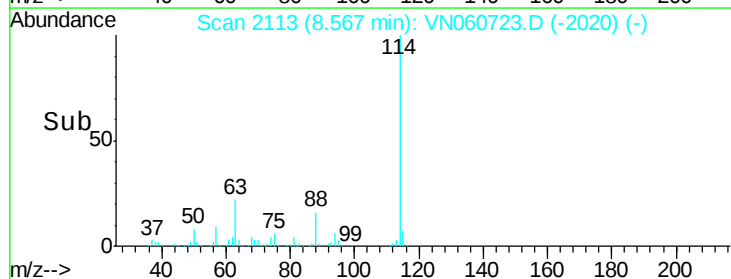
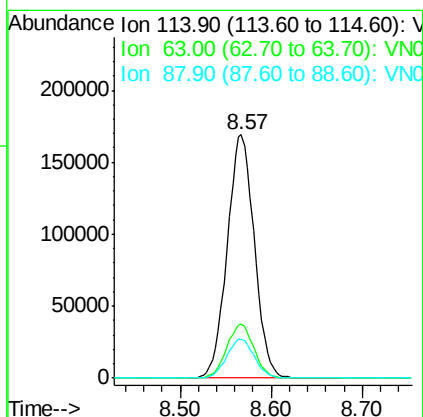
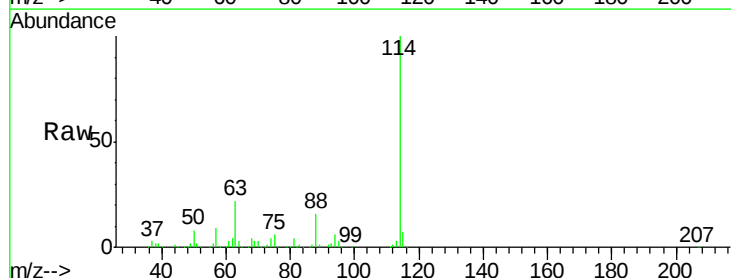
Instrument :
 MSVOA_N
 ClientSampleId :
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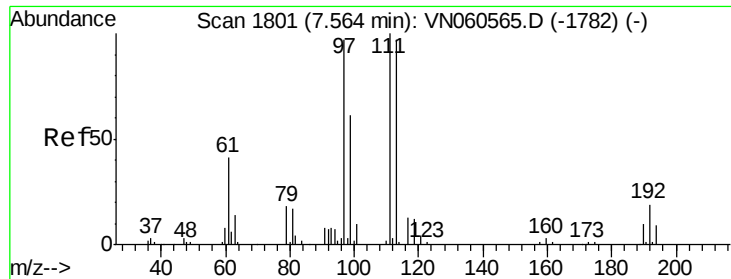
Tgt Ion: 65 Resp: 135905
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060723.D
 Acq: 26 Mar 2020 18:52

Tgt Ion: 114 Resp: 349063
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.1 0.0 33.0

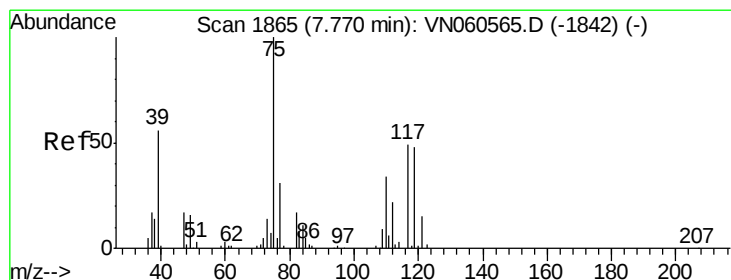
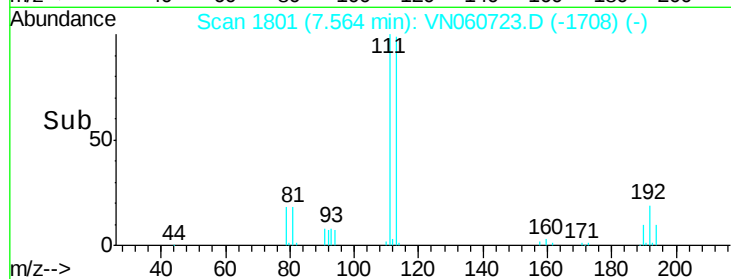
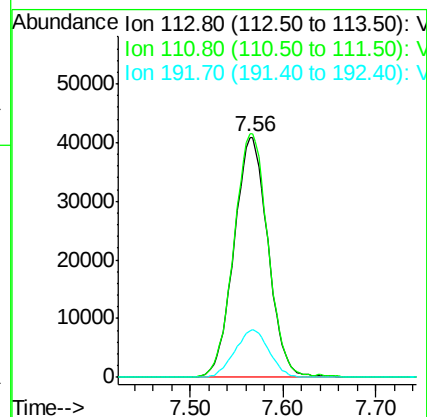
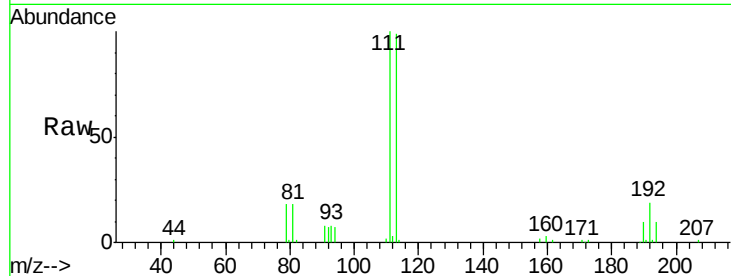




#35
 Dibromofluoromethane
 Concen: 49.264 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060723.D
 Acq: 26 Mar 2020 18:52

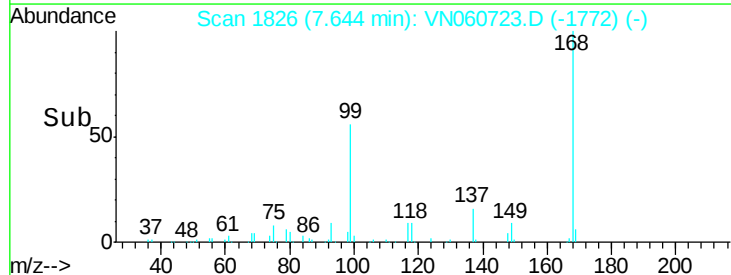
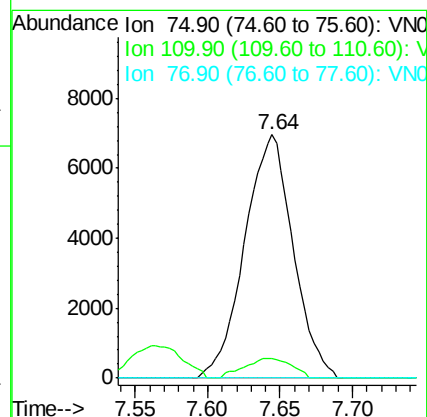
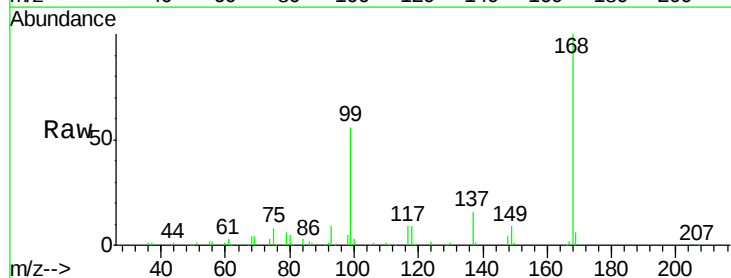
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#05

Tgt Ion:113 Resp: 103981
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.775 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060723.D
 Acq: 26 Mar 2020 18:52

Tgt Ion: 75 Resp: 16141
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.9 50.6#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.325 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.09 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#05

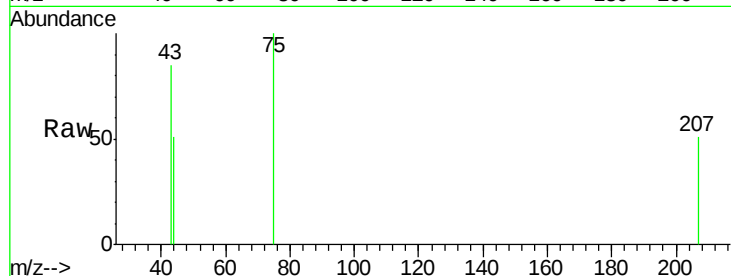
Tgt Ion: 43 Resp: 1187

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VN060723.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060723.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060723.D (-1500) (-)

6.81

400

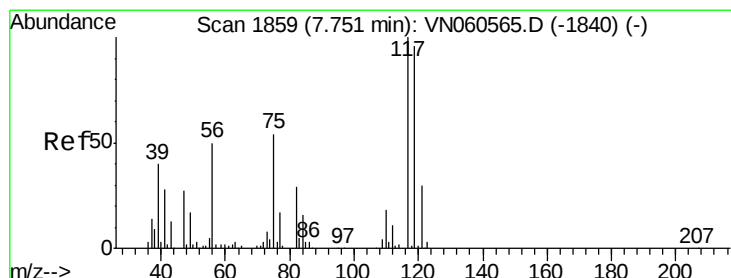
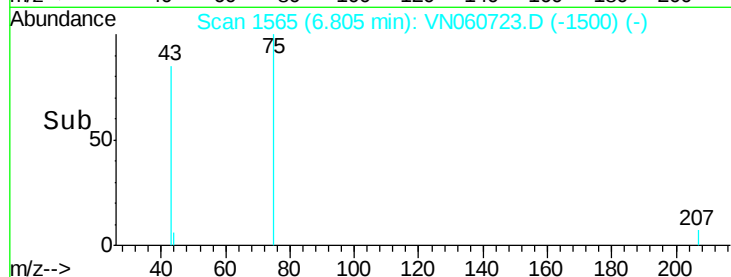
300

200

100

0

Time-->



#38

Carbon Tetrachloride

Concen: 6.621 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

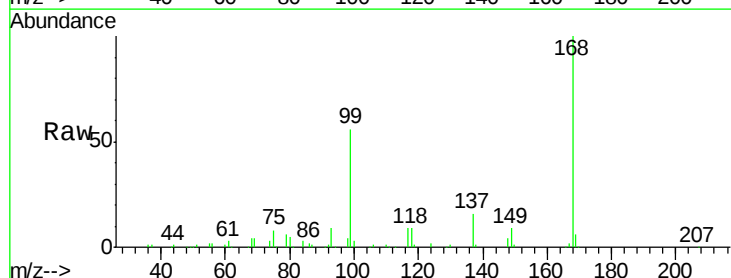
Tgt Ion: 117 Resp: 20058

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): VN060723.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060723.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060723.D (-1766) (-)

7.64

10000

8000

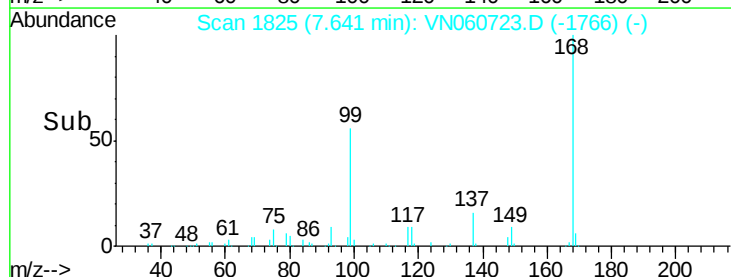
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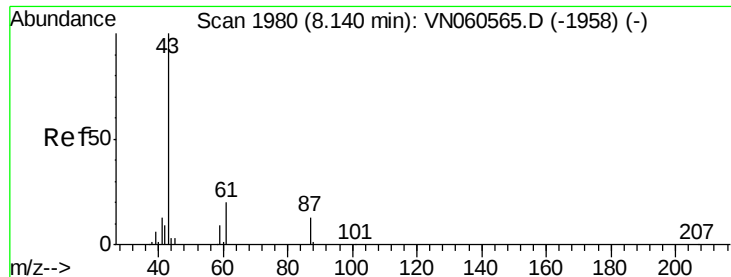
4000

2000

0

Time-->





#43

Isopropyl Acetate

Concen: 10.053 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

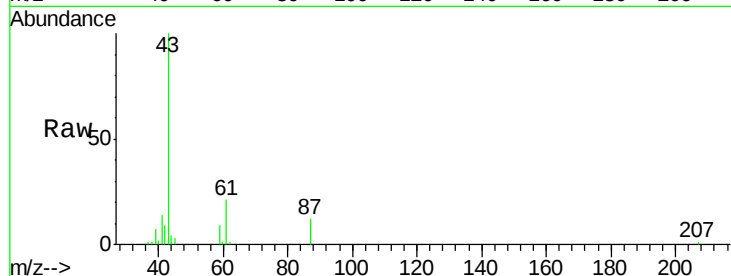
Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#05

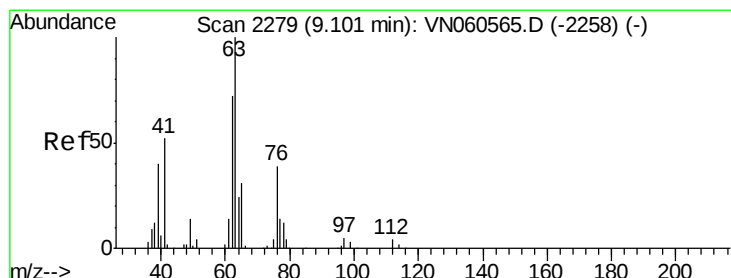
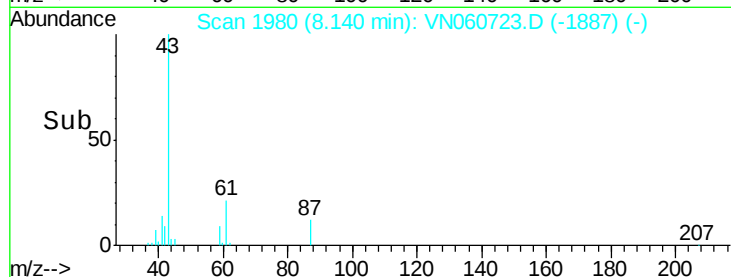
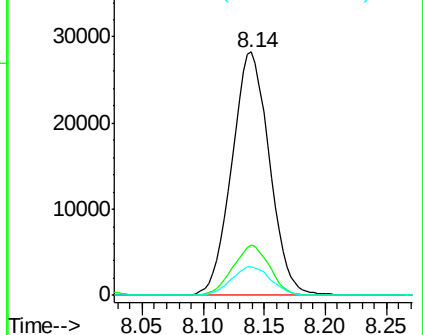
Tgt Ion:	43	Resp:	60552
Ion	Ratio	Lower	Upper
43	100		
61	20.0	20.7	31.1#
87	12.2	9.8	14.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.453 ug/l

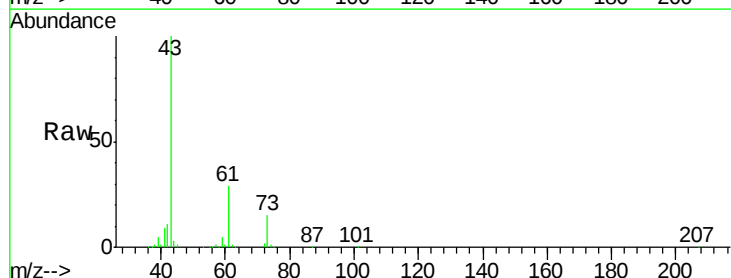
RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060723.D

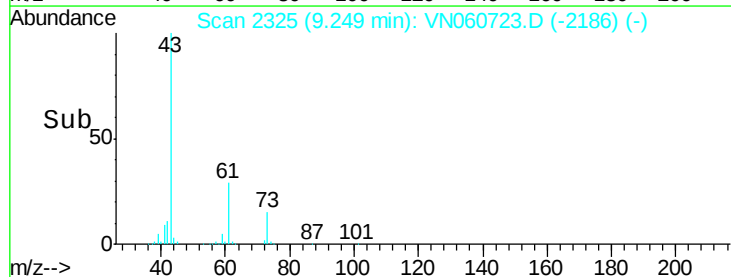
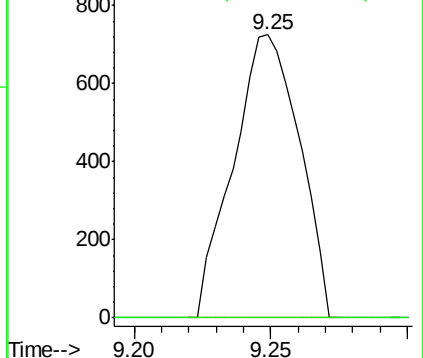
Acq: 26 Mar 2020 18:52

Tgt Ion:	63	Resp:	1220
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.4	38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

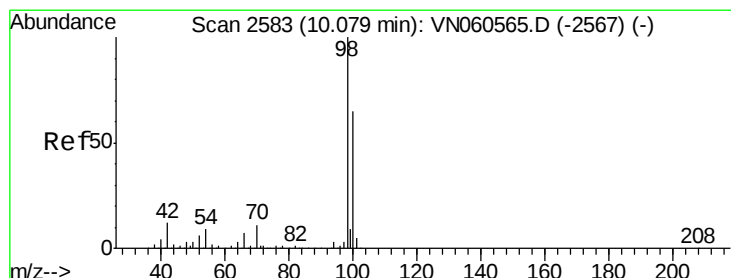
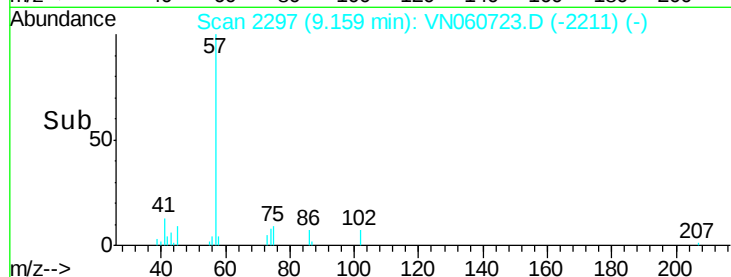
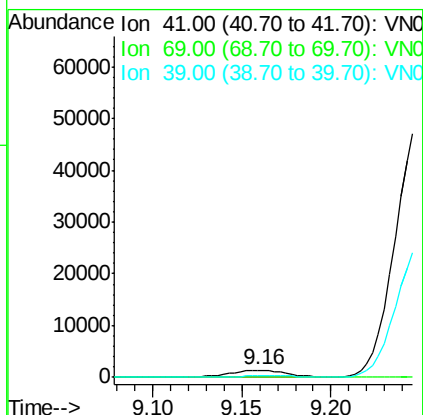
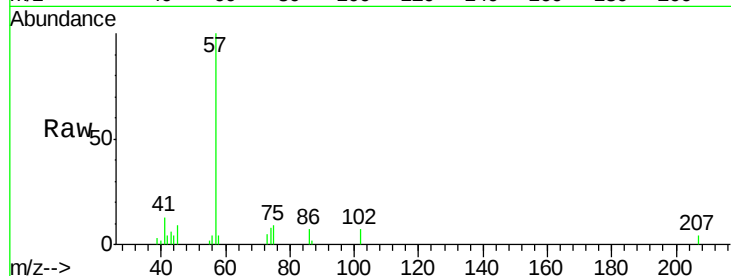




#48
Methyl methacrylate
Concen: 1.159 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060723.D
Acq: 26 Mar 2020 18:52

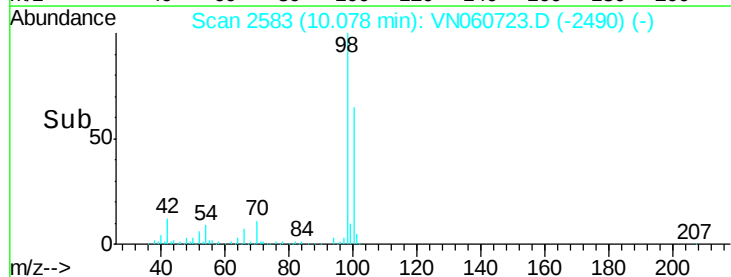
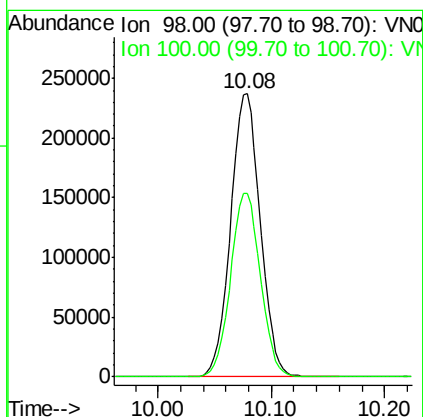
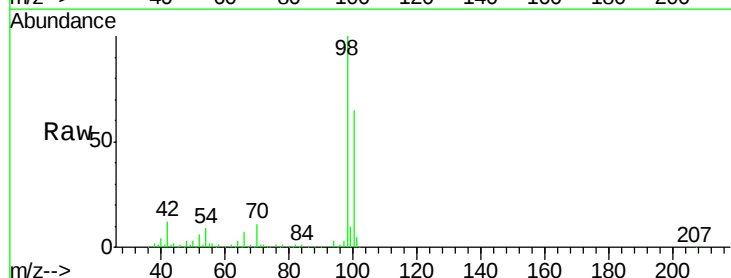
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#05

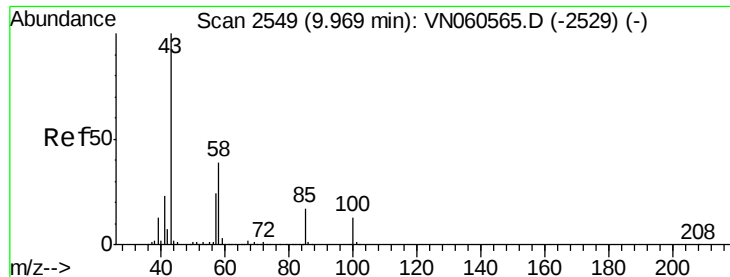
Tgt Ion: 41 Resp: 3108
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.093 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060723.D
Acq: 26 Mar 2020 18:52

Tgt Ion: 98 Resp: 431864
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8

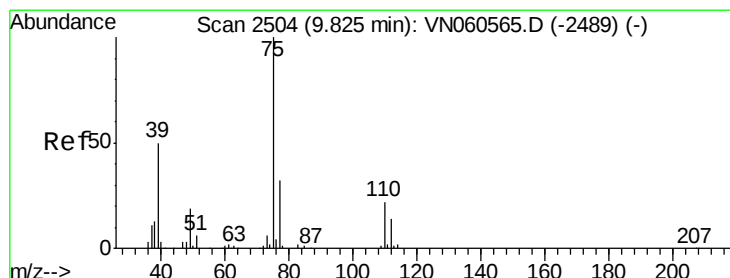
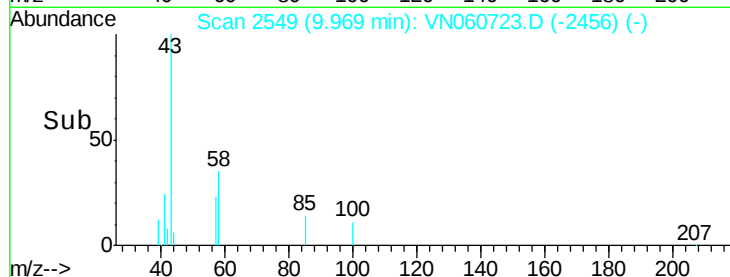
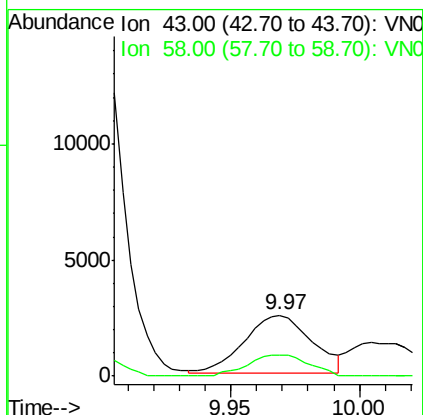
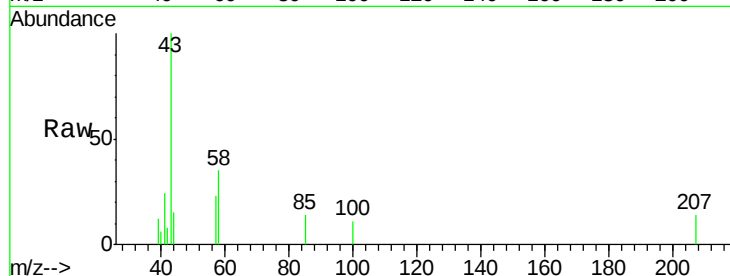




#51
 4-Methyl-2-Pentanone
 Concen: 1.308 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060723.D
 Acq: 26 Mar 2020 18:52

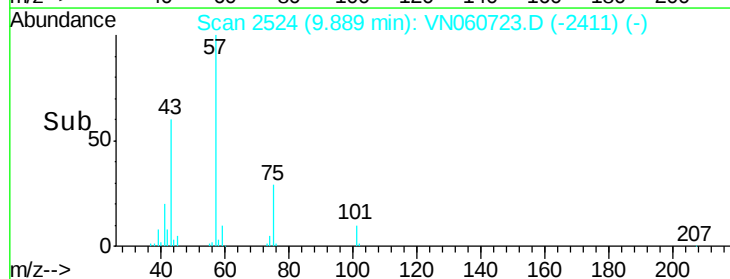
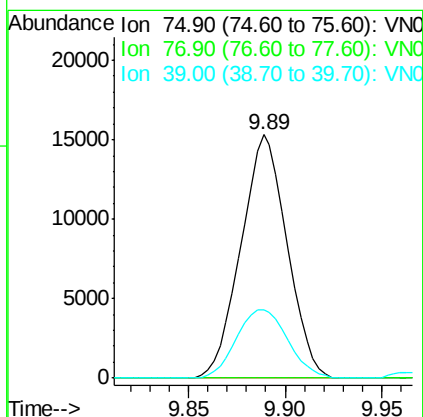
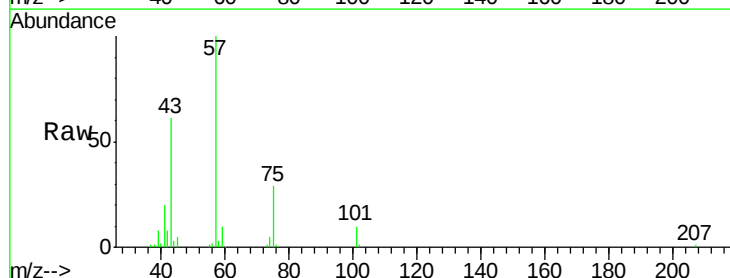
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#05

Tgt Ion: 43 Resp: 4484
 Ion Ratio Lower Upper
 43 100
 58 33.7 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.953 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060723.D
 Acq: 26 Mar 2020 18:52

Tgt Ion: 75 Resp: 25375
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 28.2 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 1.025 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA_N

ClientSampleId :

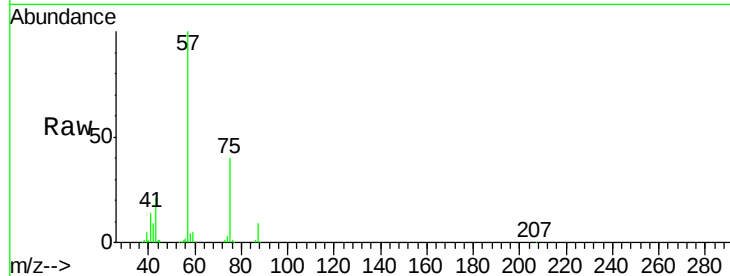
PB127792ZHE#05

Tgt Ion: 76 Resp: 4218

Ion Ratio Lower Upper

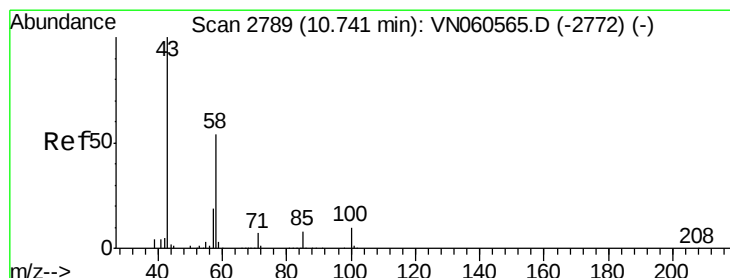
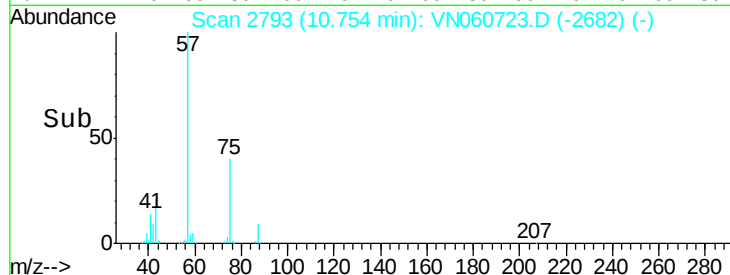
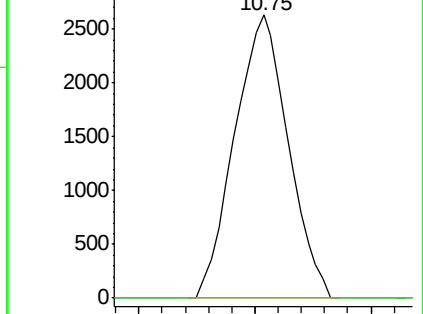
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 25.449 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060723.D

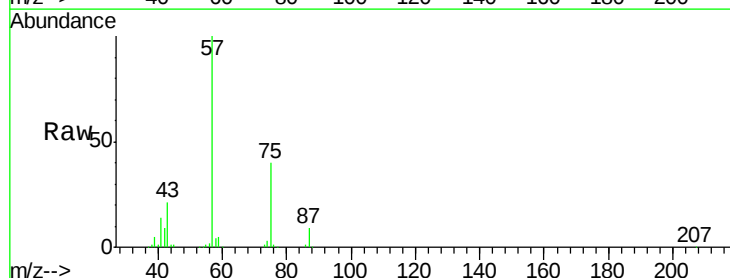
Acq: 26 Mar 2020 18:52

Tgt Ion: 43 Resp: 62833

Ion Ratio Lower Upper

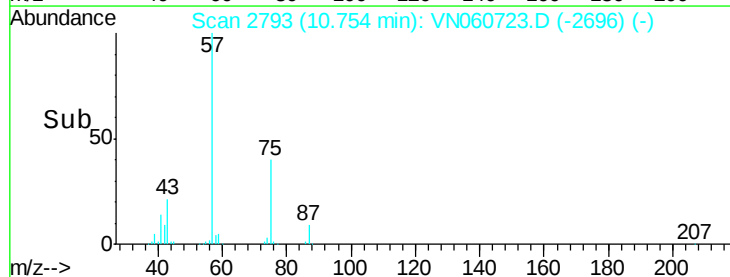
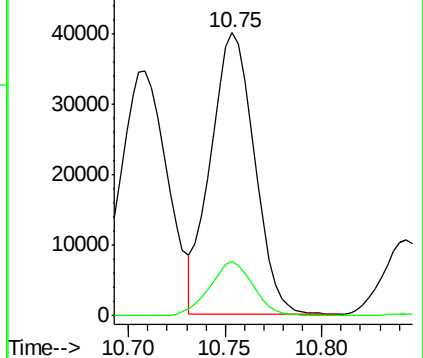
43 100

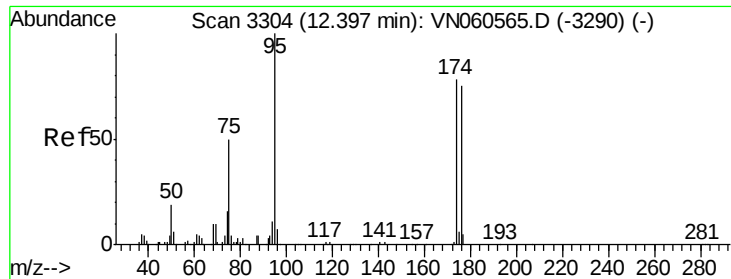
58 19.2 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.043 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#05

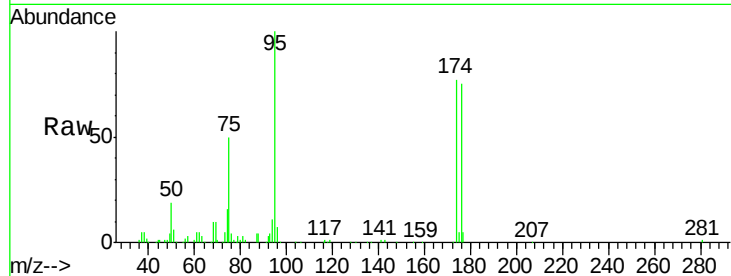
Tgt Ion: 95 Resp: 164435

Ion Ratio Lower Upper

95 100

174 77.6 0.0 157.6

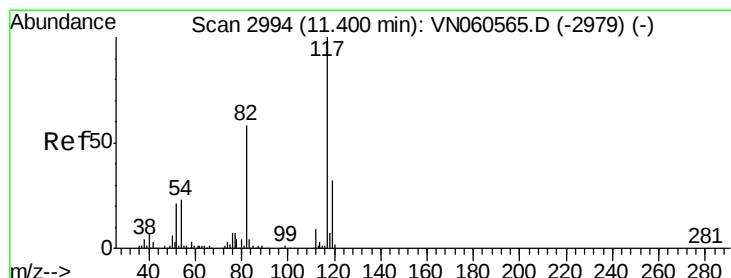
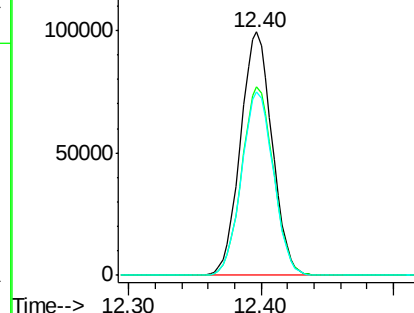
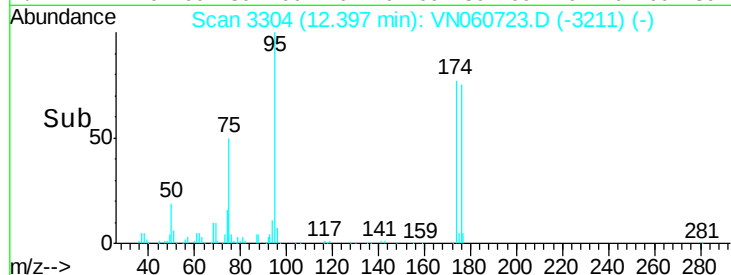
176 76.0 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060723.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060723.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060723.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

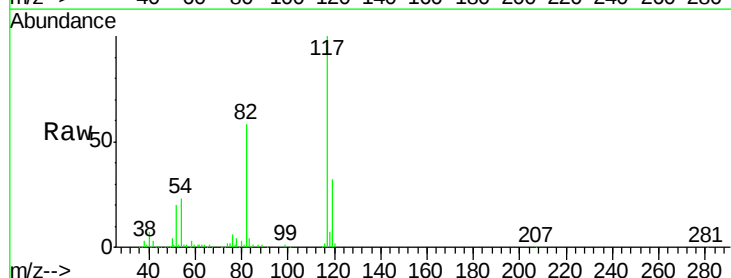
Tgt Ion: 117 Resp: 329887

Ion Ratio Lower Upper

117 100

82 58.3 46.7 70.1

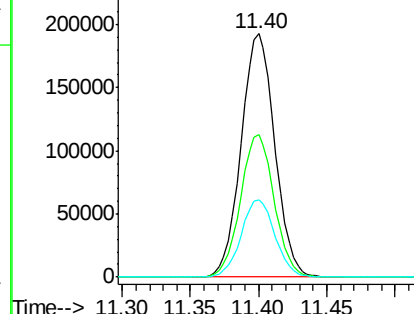
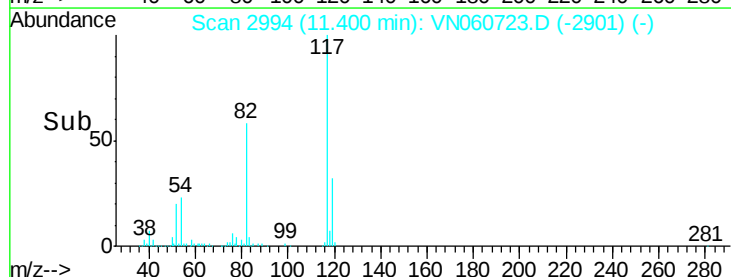
119 32.0 25.5 38.3

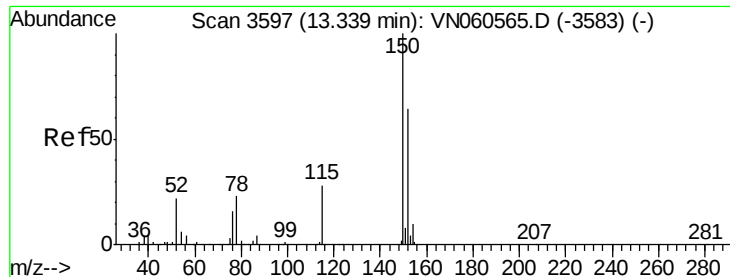


Abundance Ion 116.90 (116.60 to 117.60): VN060723.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060723.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060723.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: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#05

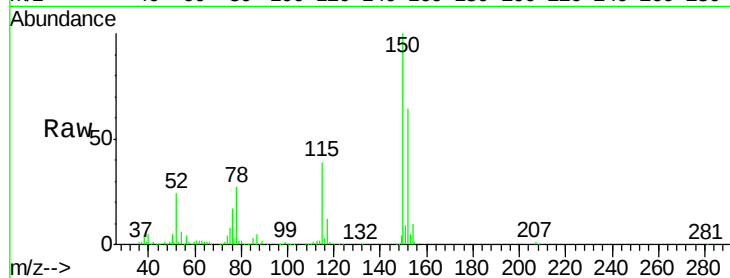
Tgt Ion:152 Resp: 154343

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

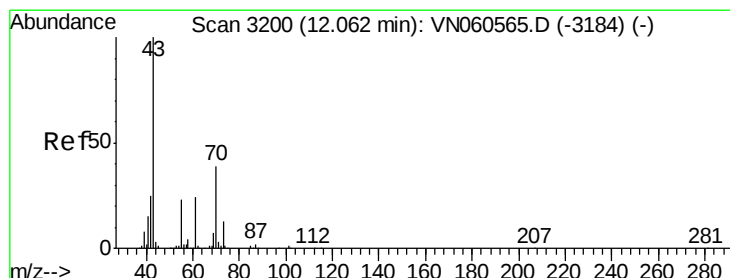
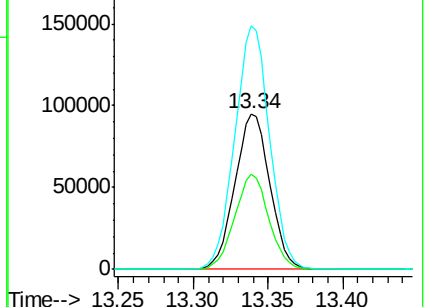
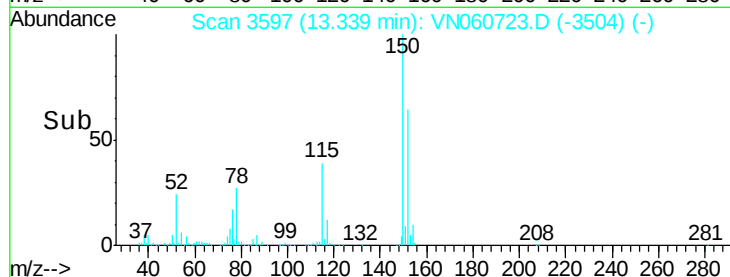
150 155.7 0.0 350.2



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: 0.481 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

Tgt Ion: 43 Resp: 2572

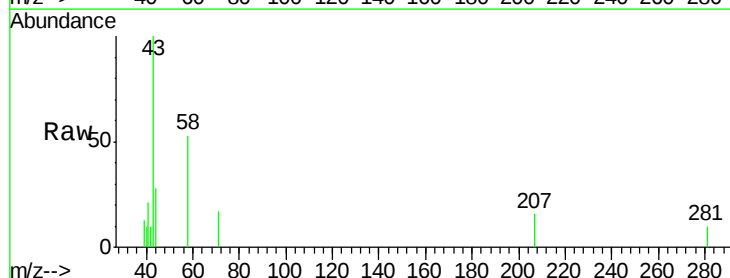
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

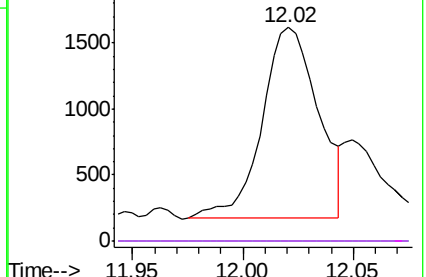
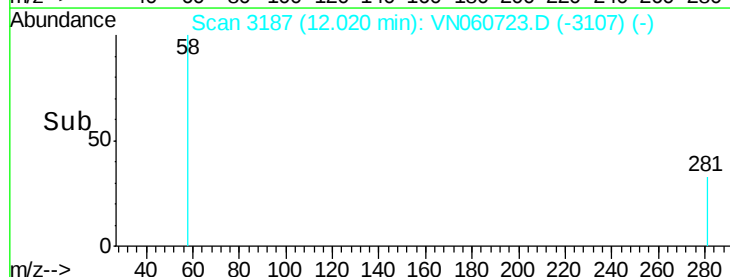


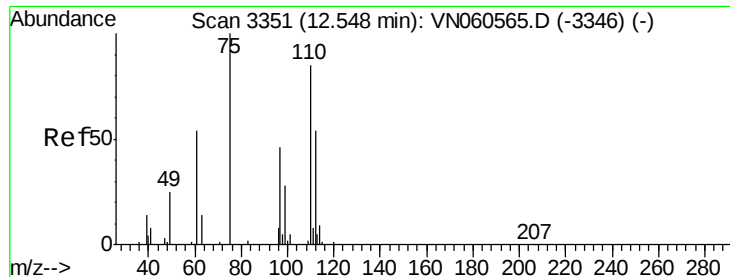
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.886 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA_N

ClientSampleId :

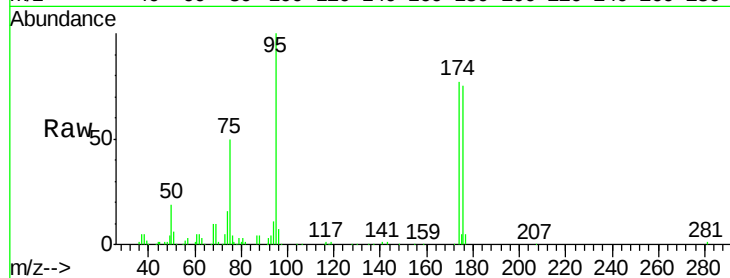
PB127792ZHE#05

Tgt Ion: 75 Resp: 82881

Ion Ratio Lower Upper

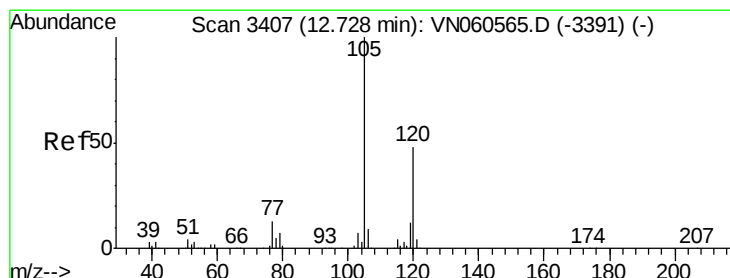
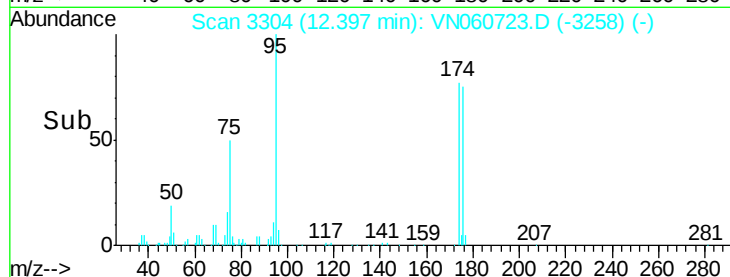
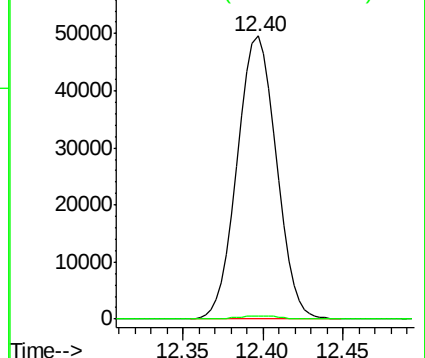
75 100

77 1.2 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: 0.674 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060723.D

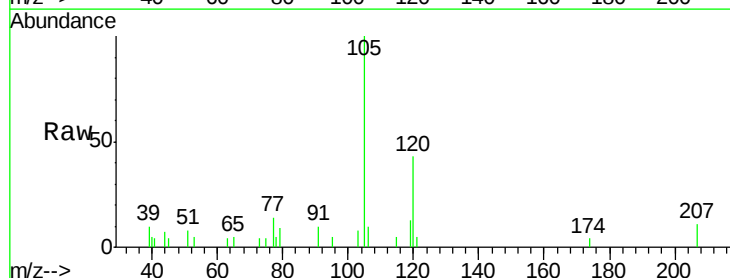
Acq: 26 Mar 2020 18:52

Tgt Ion: 105 Resp: 6626

Ion Ratio Lower Upper

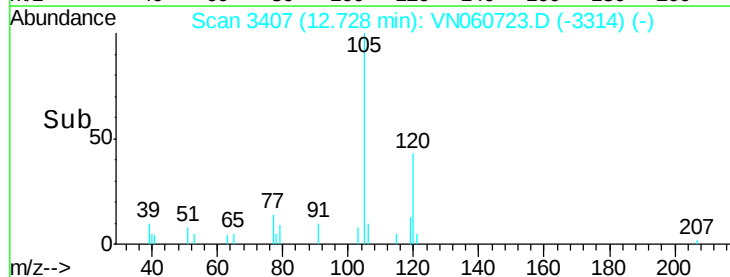
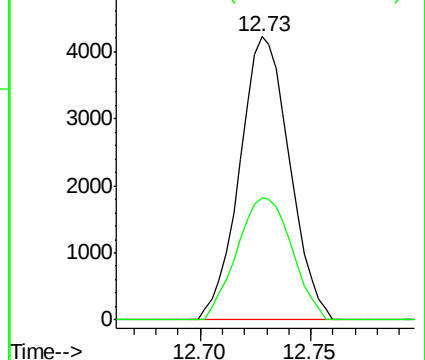
105 100

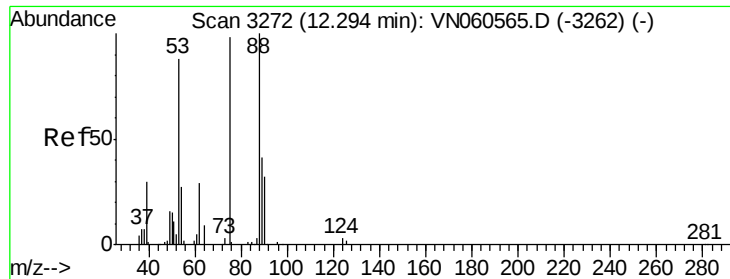
120 47.3 23.9 71.7



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: 63.915 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#05

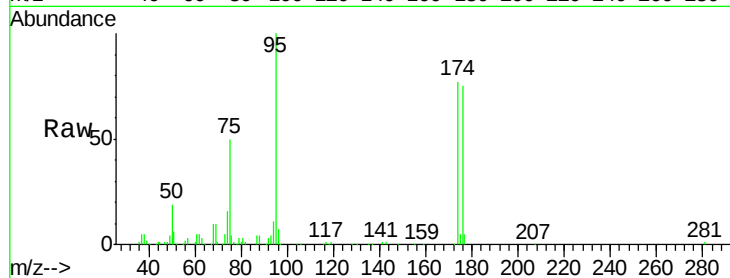
Tgt Ion: 75 Resp: 82881

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

