

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060725.D
 Acq On : 26 Mar 2020 19:38
 Operator : JC/MD
 Sample : PB127792ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#02

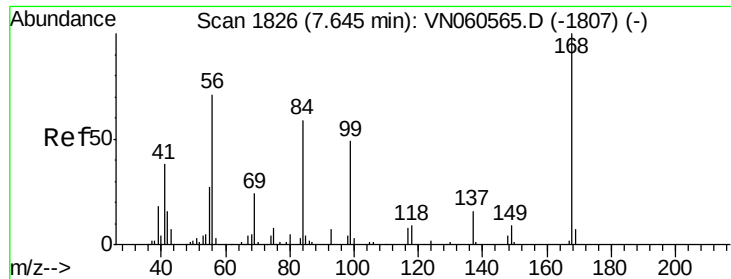
Quant Time: Mar 27 05:36:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136191	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	123199	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
35) Dibromofluoromethane	7.56	113	94512	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.08	98	391633	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	146464	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5907	6.296	ug/l	94
18) Methyl Acetate	4.29	43	1822	0.690	ug/l #	61
20) Methylene Chloride	4.52	84	3010	1.304	ug/l	89
25) 2-Butanone	6.80	43	985	0.649	ug/l #	50
31) Cyclohexane	7.64	56	4178	0.979	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15045	4.866	ug/l #	50
37) Ethyl Acetate	6.80	43	985	0.295	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18251	6.586	ug/l #	16
43) Isopropyl Acetate	8.14	43	58386	10.597	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	1053	0.428	ug/l #	43
48) Methyl methacrylate	9.16	41	3010	1.227	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4678	1.492	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	25188	6.460	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	4017	1.067	ug/l #	42
59) 2-Hexanone	10.75	43	60982	27.001	ug/l #	52
74) N-amyl acetate	12.02	43	3065	0.649	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	74154	25.233	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3378	0.389	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	74154	64.807	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.54	75	29	Below Cal	#	3

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060725.D

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MSVOA_N

ClientSampleId :

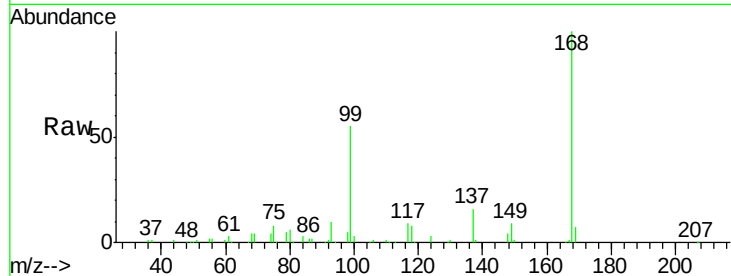
PB127792ZHE#02

Tgt Ion:168 Resp: 192932

Ion Ratio Lower Upper

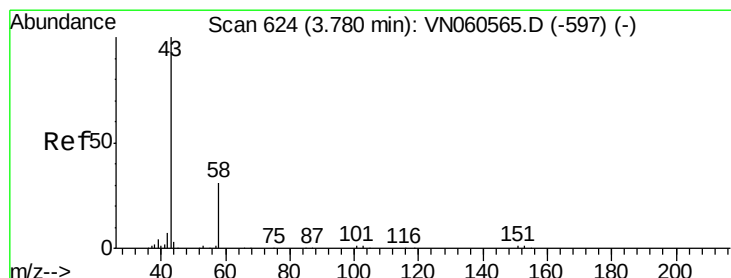
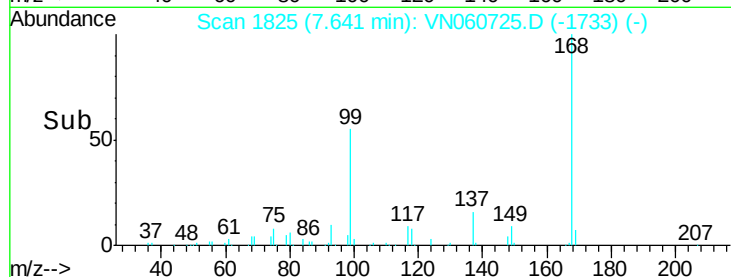
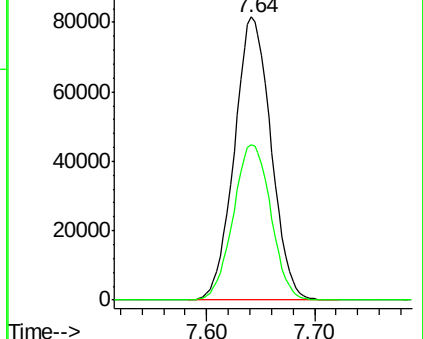
168 100

99 54.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.296 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060725.D

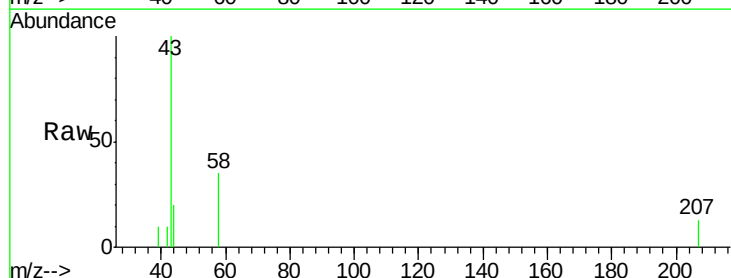
Acq: 26 Mar 2020 19:38

Tgt Ion: 43 Resp: 5907

Ion Ratio Lower Upper

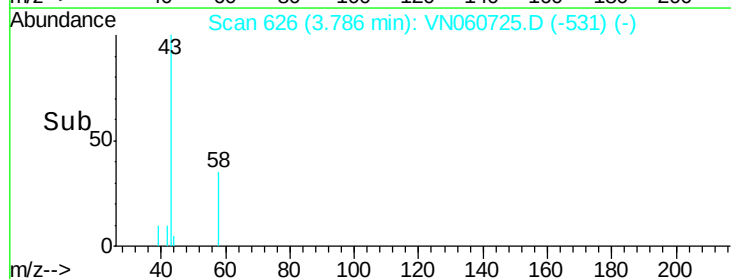
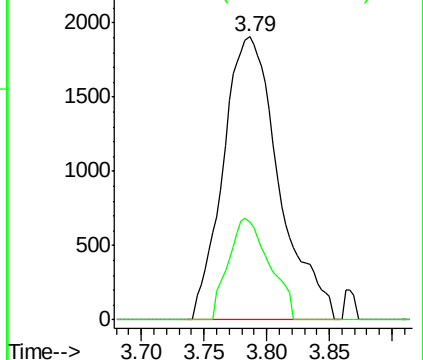
43 100

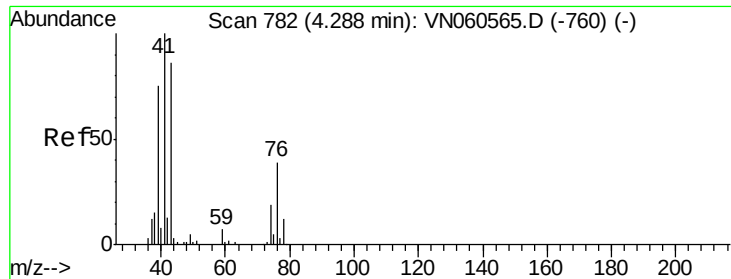
58 34.7 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

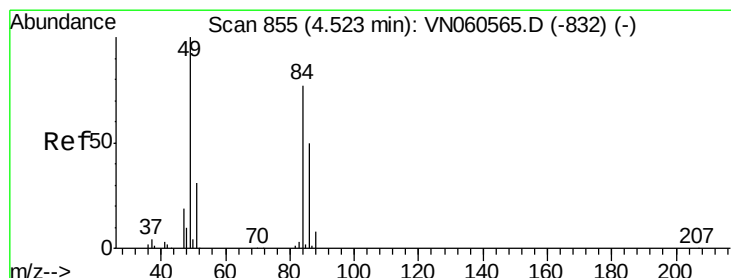
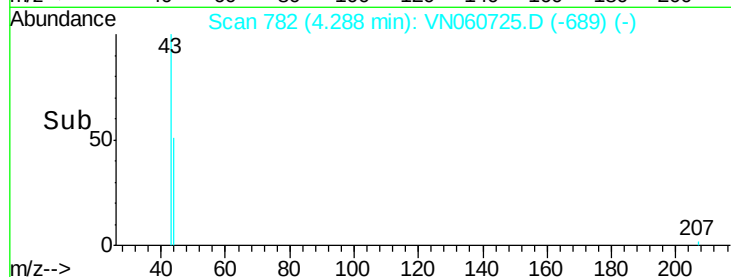
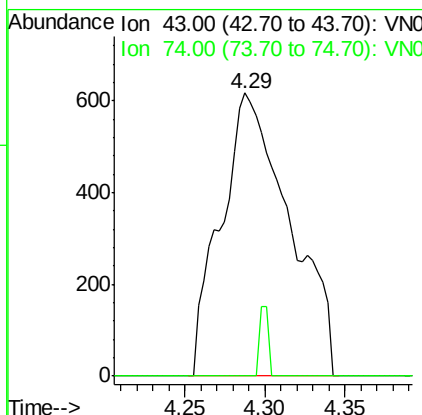
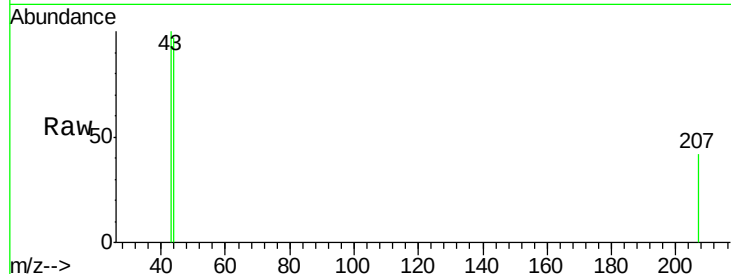




#18
Methyl Acetate
Concen: 0.690 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060725.D
Acq: 26 Mar 2020 19:38

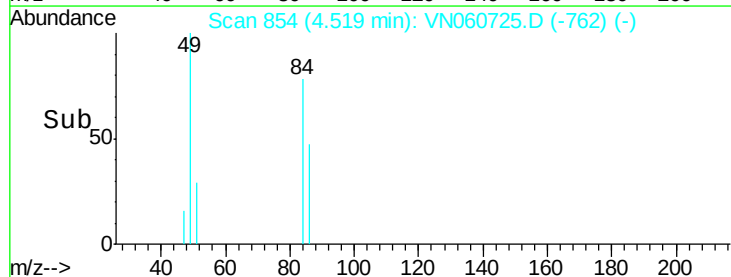
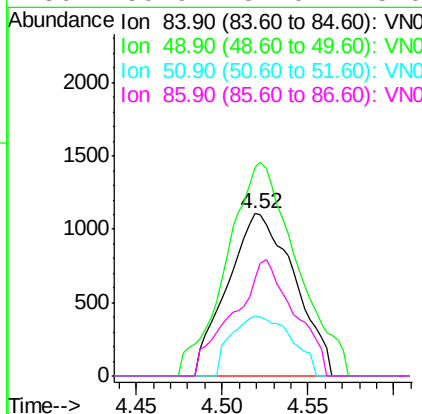
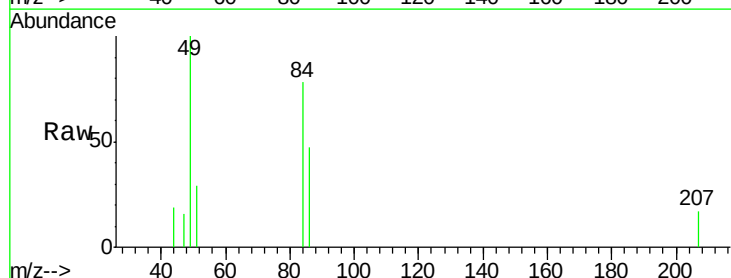
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#02

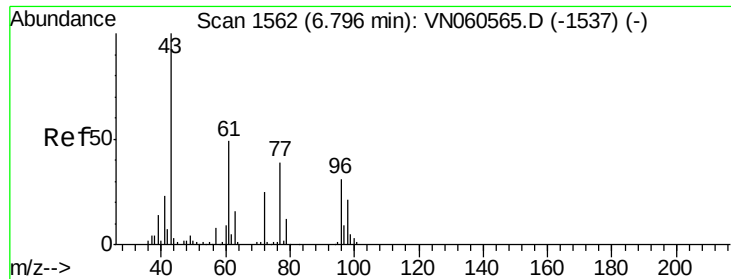
Tgt Ion: 43 Resp: 1822
Ion Ratio Lower Upper
43 100
74 3.2 17.5 26.3#



#20
Methylene Chloride
Concen: 1.304 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060725.D
Acq: 26 Mar 2020 19:38

Tgt Ion: 84 Resp: 3010
Ion Ratio Lower Upper
84 100
49 111.3 103.3 154.9
51 37.3 31.6 47.4
86 59.9 52.0 78.0

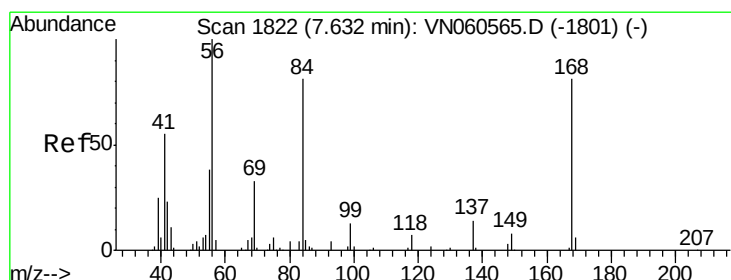
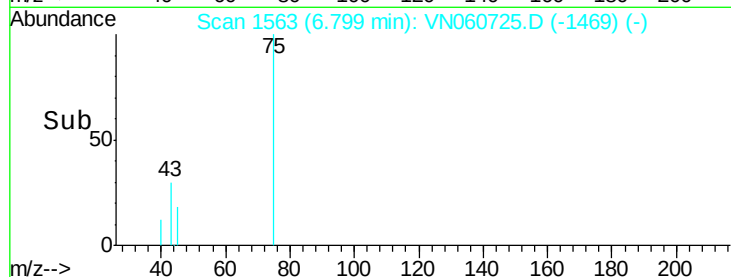
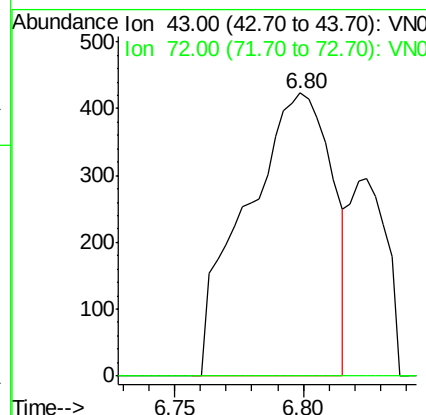
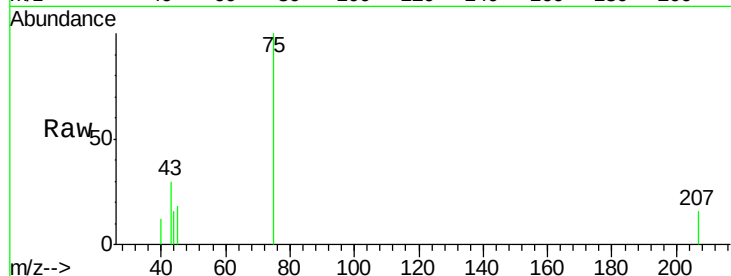




#25
2-Butanone
Concen: 0.649 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060725.D
Acq: 26 Mar 2020 19:38

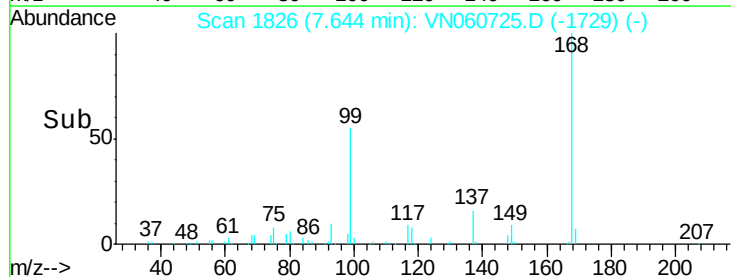
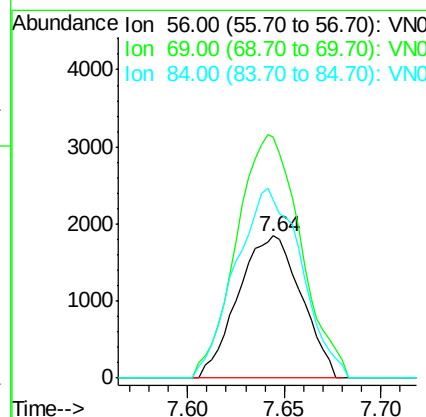
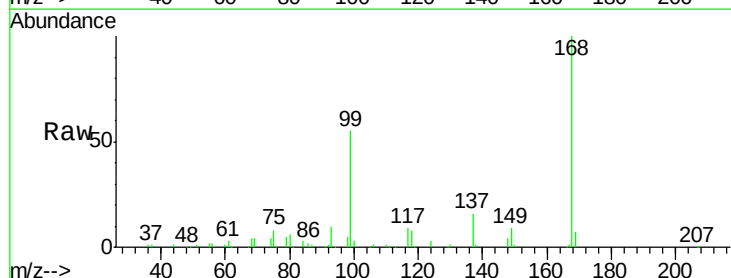
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MSVOA_N
ClientSampleId :
PB127792ZHE#02

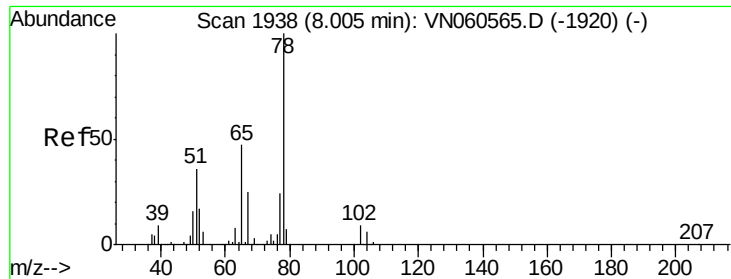
Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.979 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060725.D
Acq: 26 Mar 2020 19:38

Tgt Ion: 56 Resp: 4178
Ion Ratio Lower Upper
56 100
69 170.3 26.6 40.0#
84 125.3 64.3 96.5#

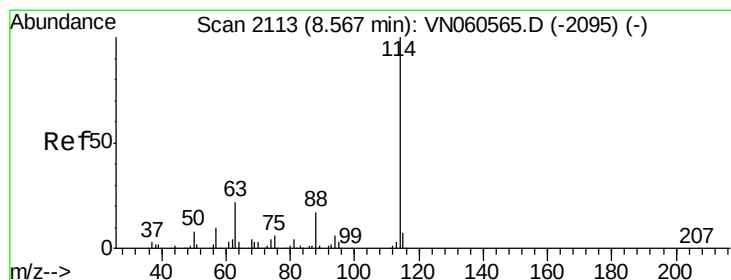
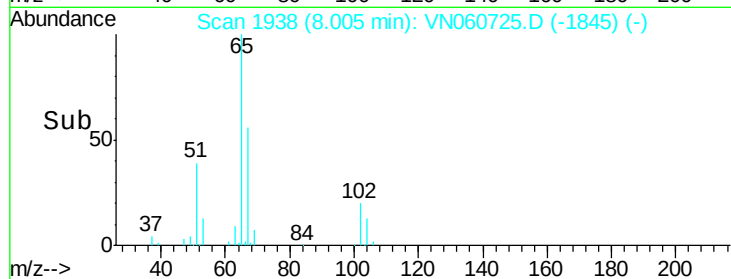
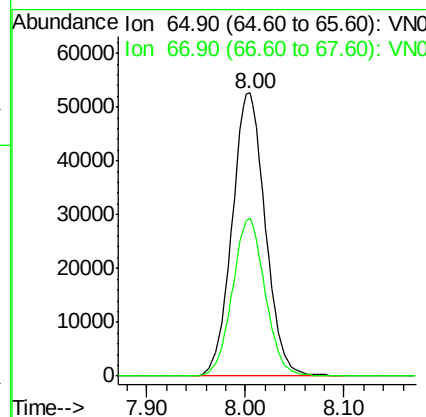
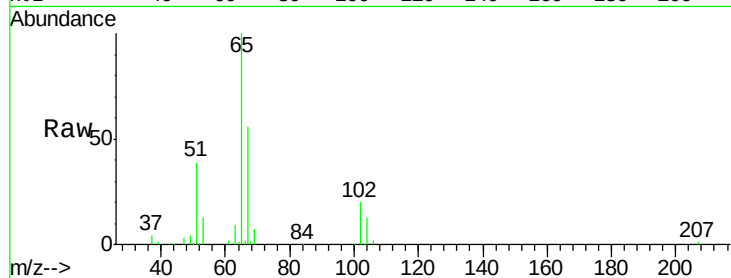




#33
 1,2-Dichloroethane-d4
 Concen: 46.516 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

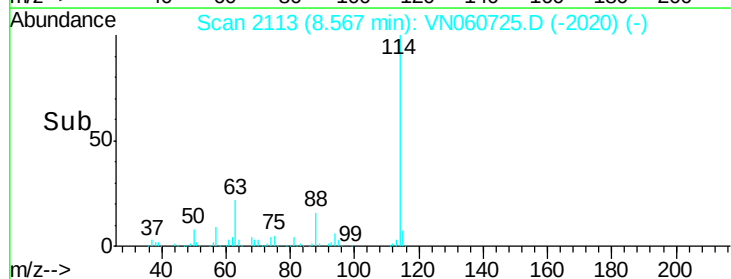
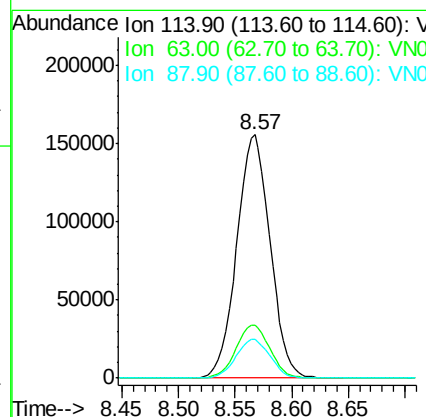
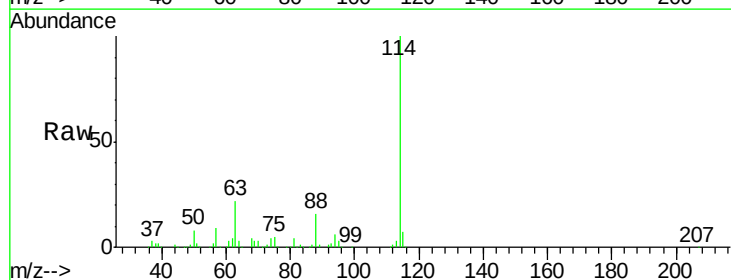
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#02

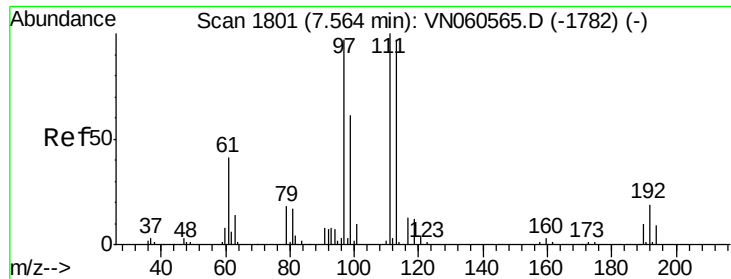
Tgt Ion: 65 Resp: 123199
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

Tgt Ion: 114 Resp: 319308
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.8
 88 15.9 0.0 33.0

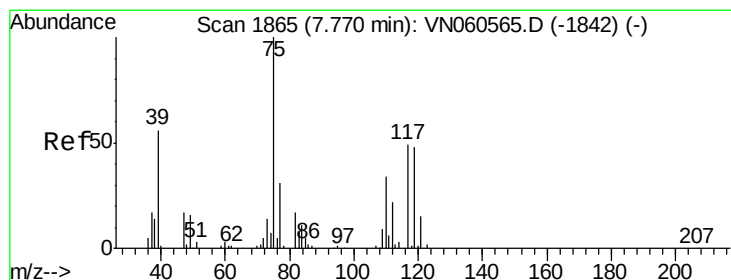
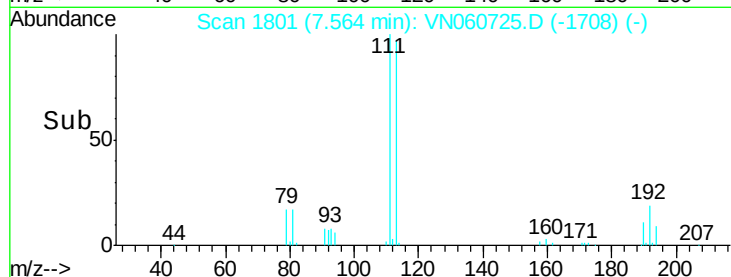
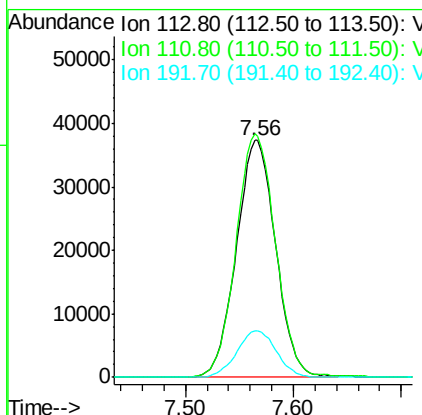
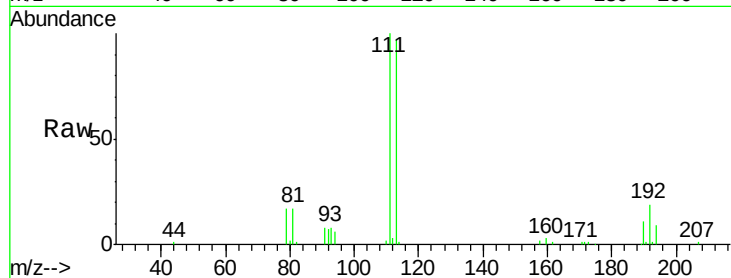




#35
 Dibromofluoromethane
 Concen: 48.951 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

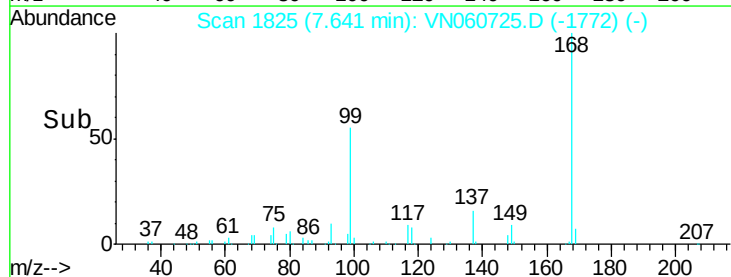
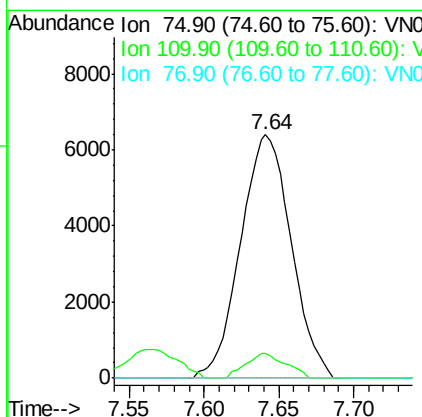
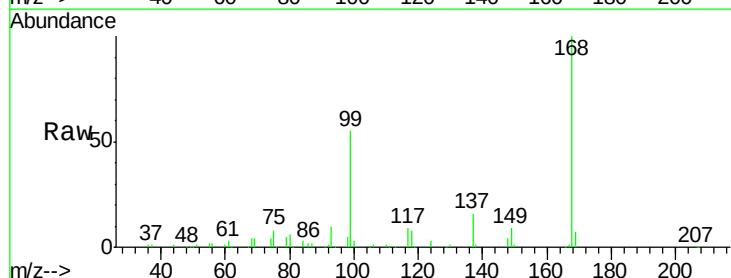
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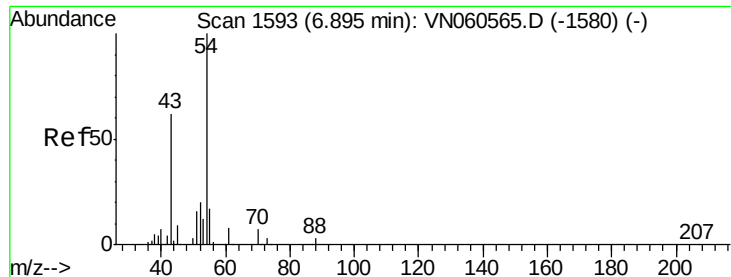
Tgt Ion:113 Resp: 94512
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 19.7 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

Tgt Ion: 75 Resp: 15045
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.9 50.6#
 77 0.0 24.6 36.8#

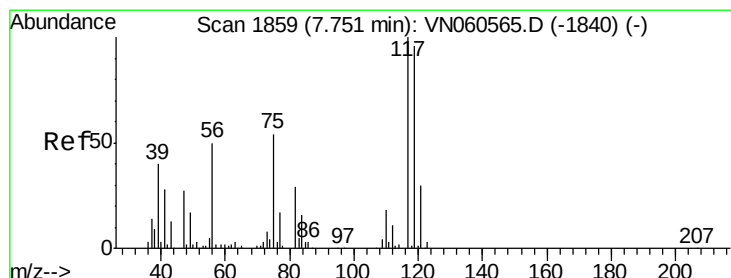
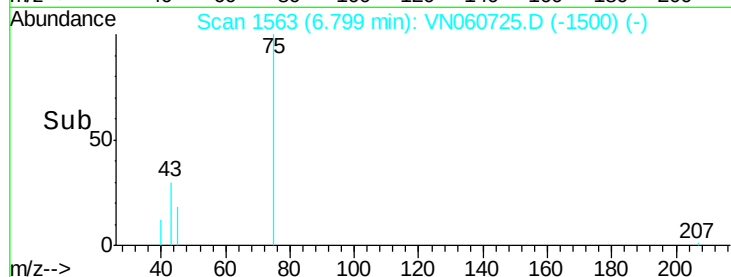
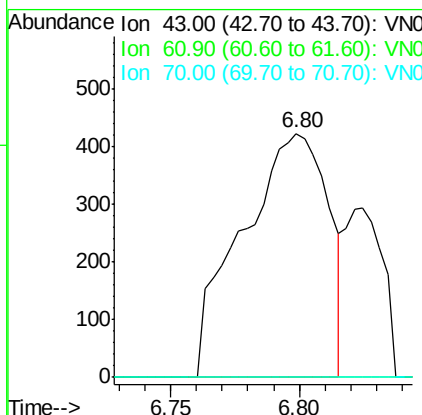
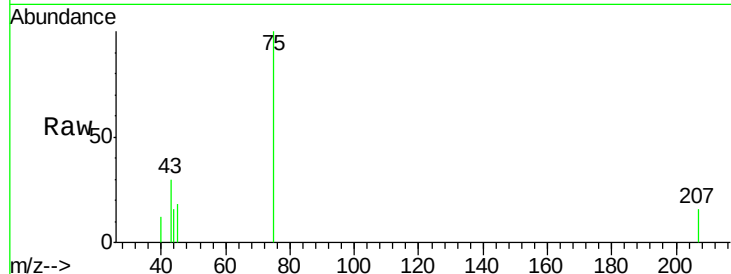




#37
 Ethyl Acetate
 Concen: 0.295 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

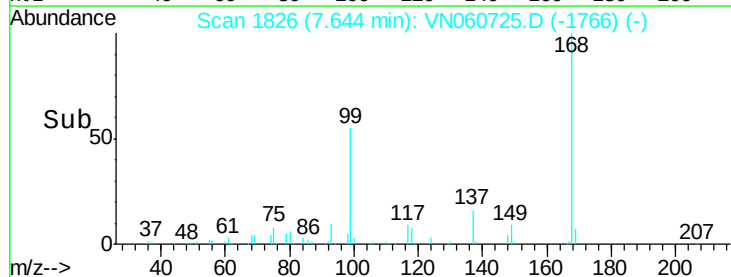
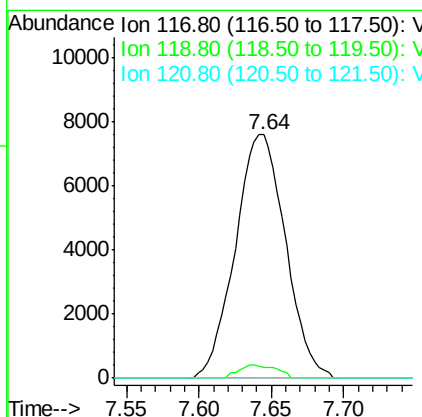
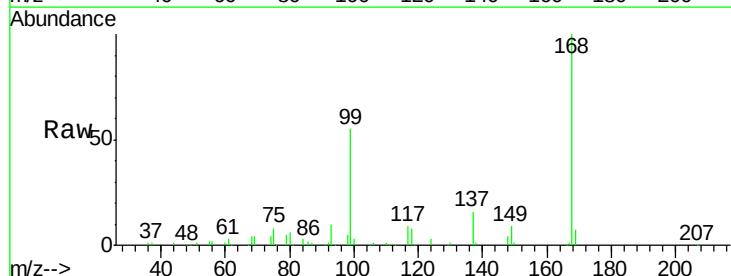
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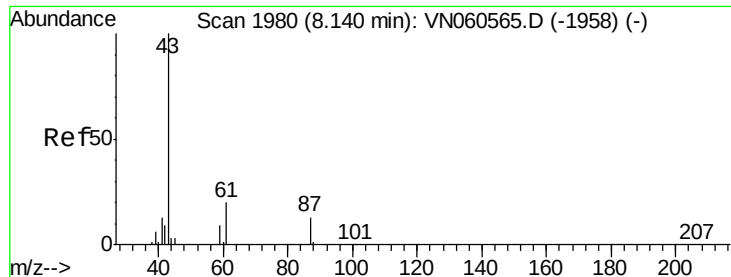
Tgt Ion: 43 Resp: 985
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.9 11.9#



#38
 Carbon Tetrachloride
 Concen: 6.586 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

Tgt Ion: 117 Resp: 18251
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.2 114.2#
 121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 10.597 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060725.D

Acq: 26 Mar 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#02

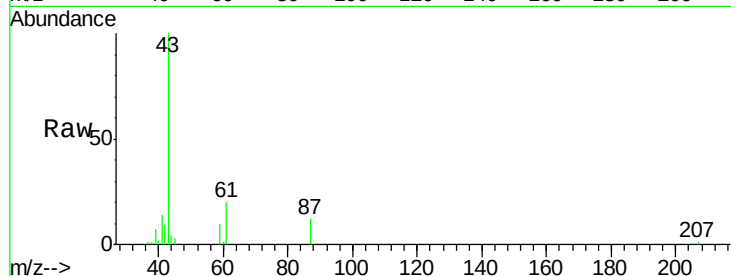
Tgt Ion: 43 Resp: 58386

Ion Ratio Lower Upper

43 100

61 19.7 20.7 31.1#

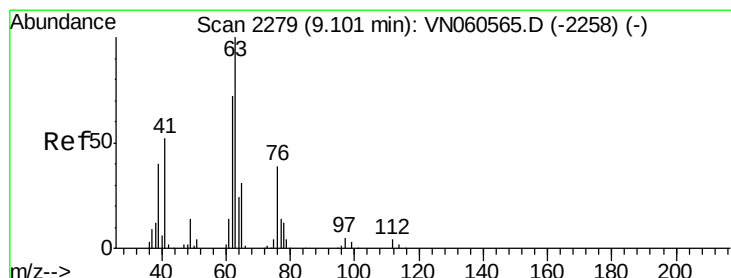
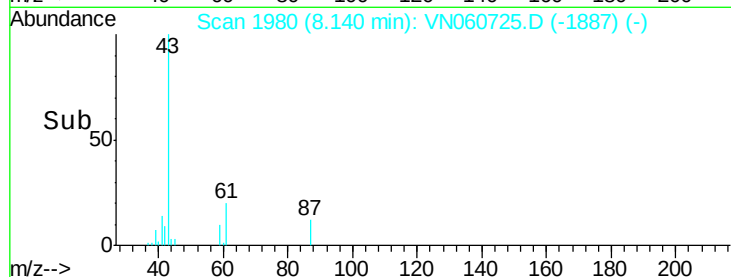
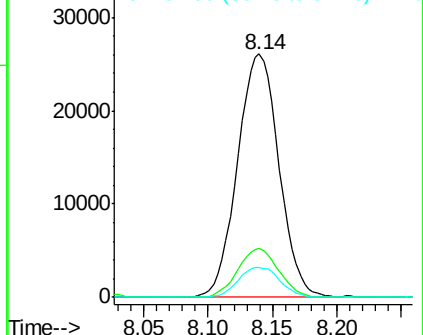
87 12.2 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060725.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060725.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060725.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.428 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060725.D

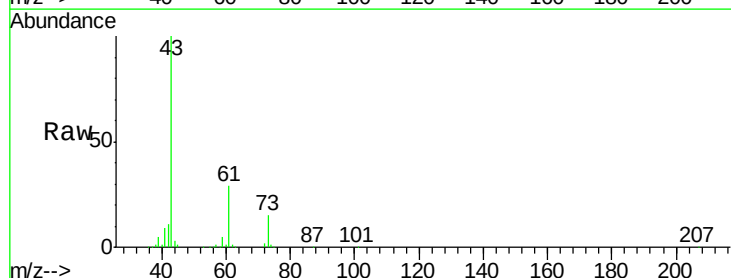
Acq: 26 Mar 2020 19:38

Tgt Ion: 63 Resp: 1053

Ion Ratio Lower Upper

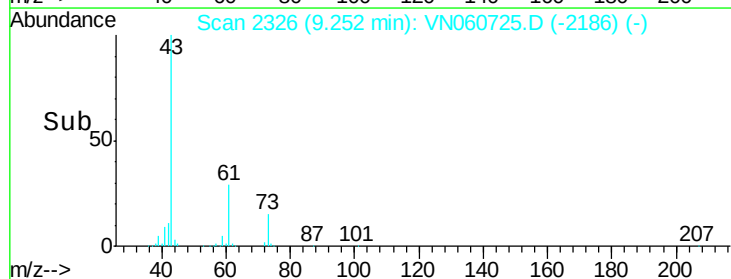
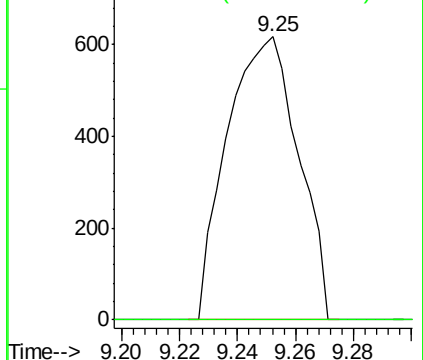
63 100

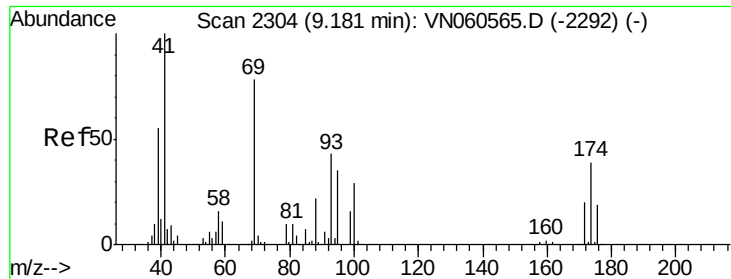
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060725.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060725.D (-2186) (-)

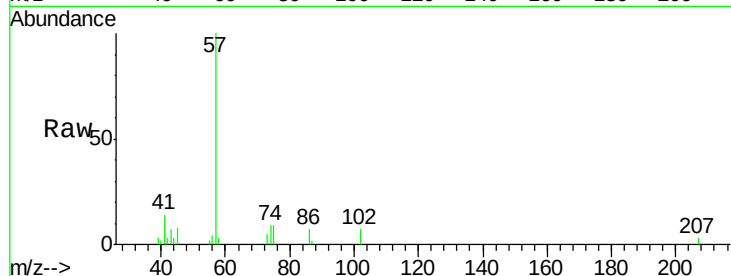




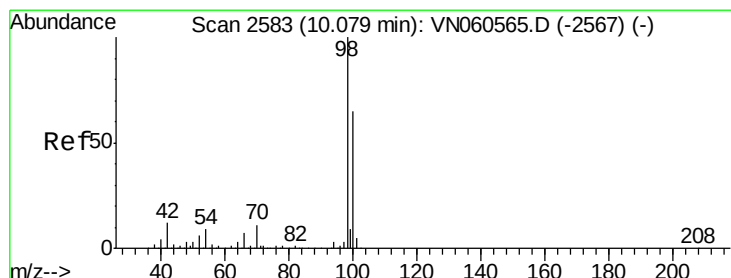
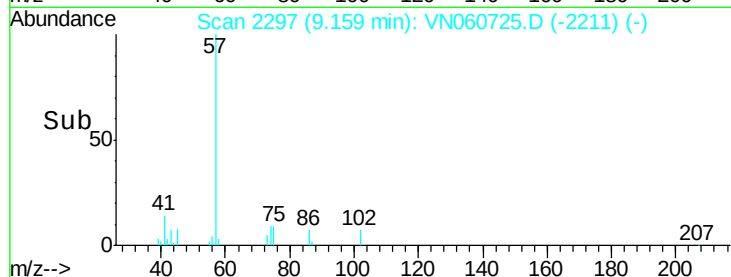
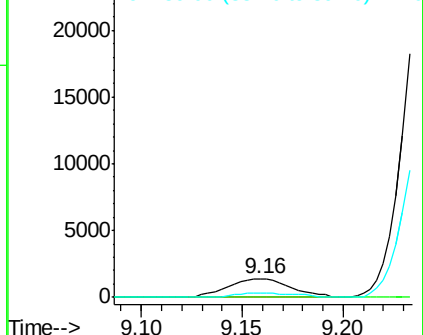
#48
Methyl methacrylate
Concen: 1.227 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060725.D
Acq: 26 Mar 2020 19:38

Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#02

Tgt Ion: 41 Resp: 3010
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

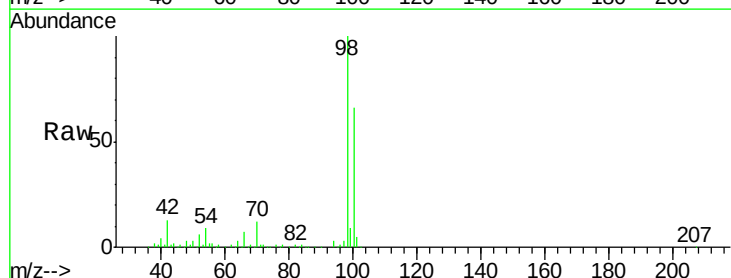


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

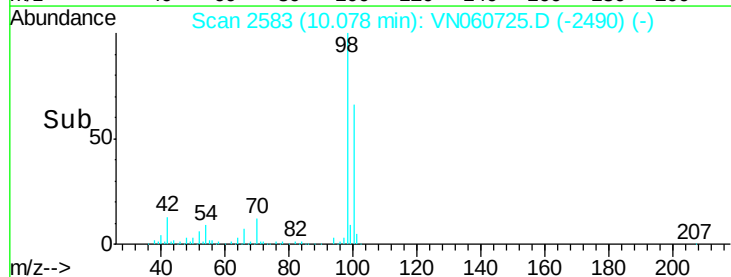
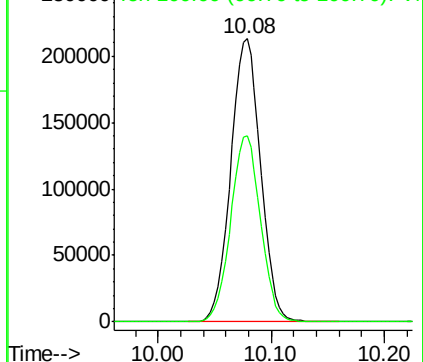


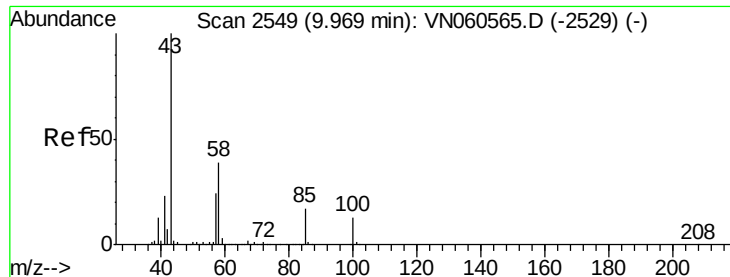
#50
Toluene-d8
Concen: 49.659 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060725.D
Acq: 26 Mar 2020 19:38

Tgt Ion: 98 Resp: 391633
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

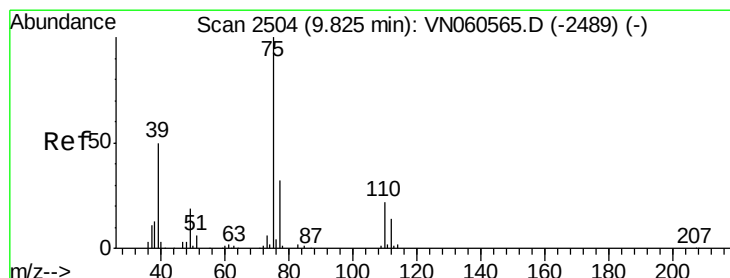
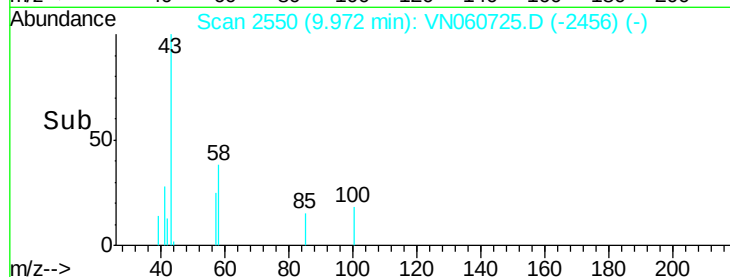
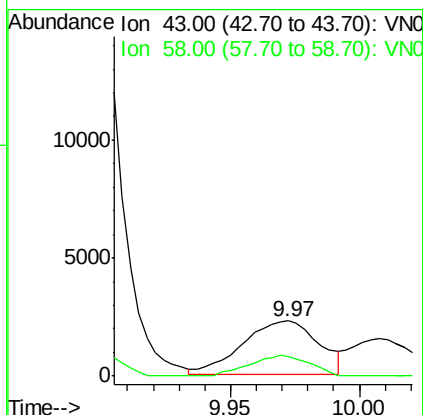
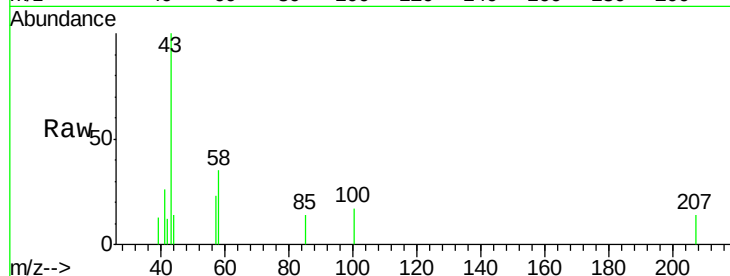




#51
 4-Methyl-2-Pentanone
 Concen: 1.492 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

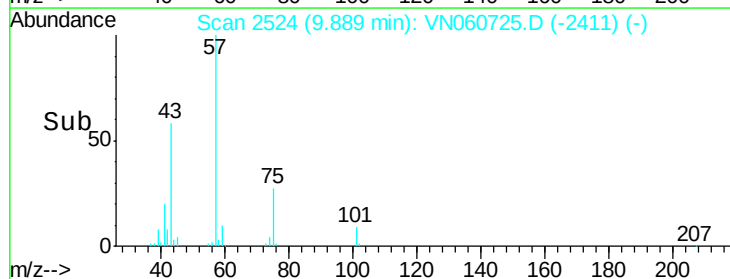
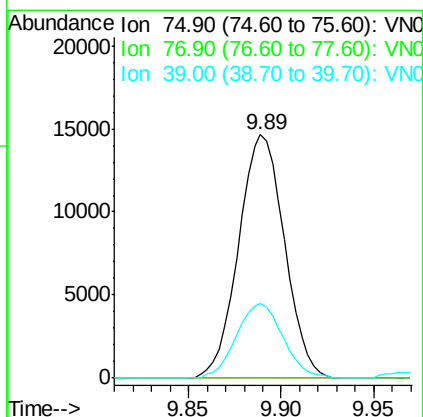
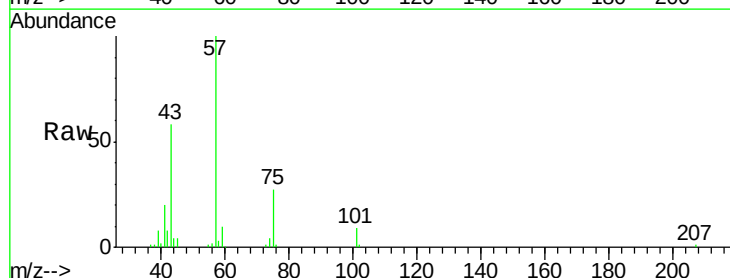
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#02

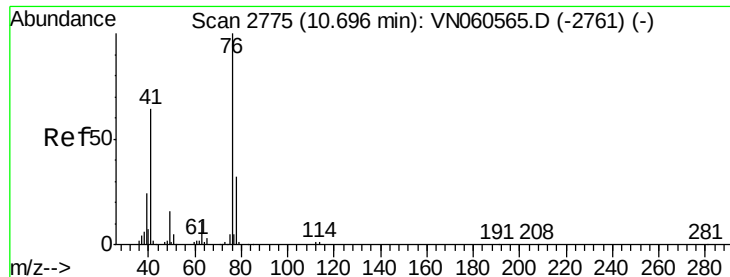
Tgt Ion: 43 Resp: 4678
 Ion Ratio Lower Upper
 43 100
 58 30.4 30.8 46.2#



#54
 cis-1,3-Dichloropropene
 Concen: 6.460 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

Tgt Ion: 75 Resp: 25188
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.7 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 1.067 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060725.D

Acq: 26 Mar 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

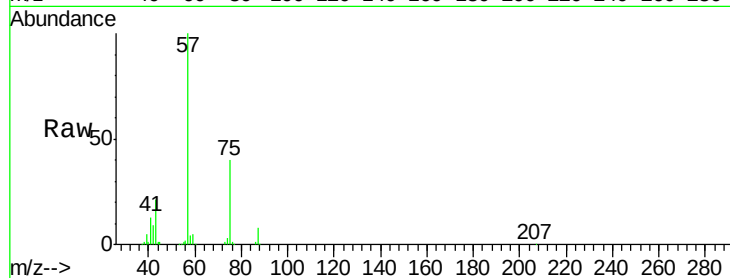
PB127792ZHE#02

Tgt Ion: 76 Resp: 4017

Ion Ratio Lower Upper

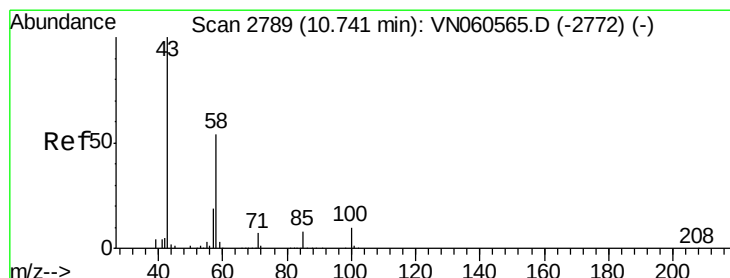
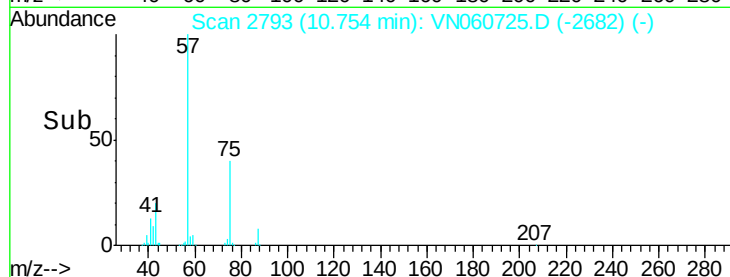
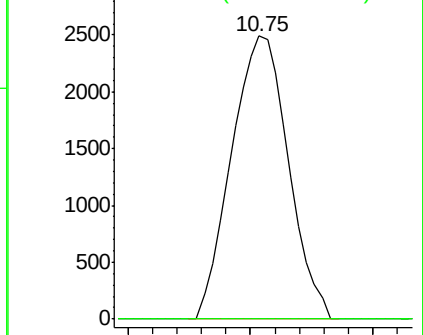
76 100

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: 27.001 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060725.D

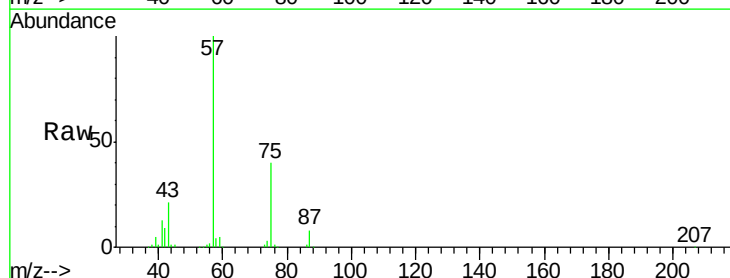
Acq: 26 Mar 2020 19:38

Tgt Ion: 43 Resp: 60982

Ion Ratio Lower Upper

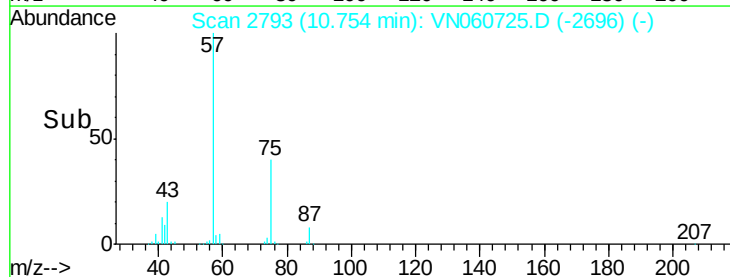
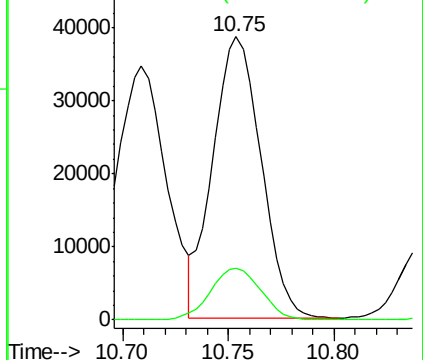
43 100

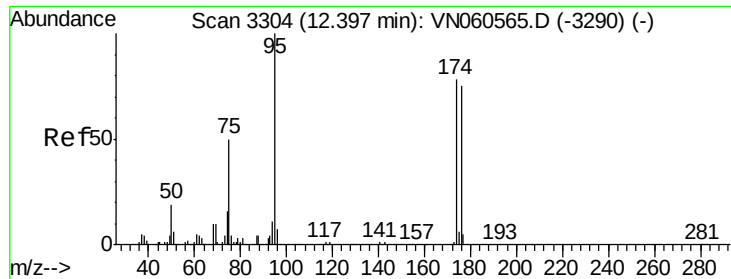
58 19.2 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.675 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060725.D

Acq: 26 Mar 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#02

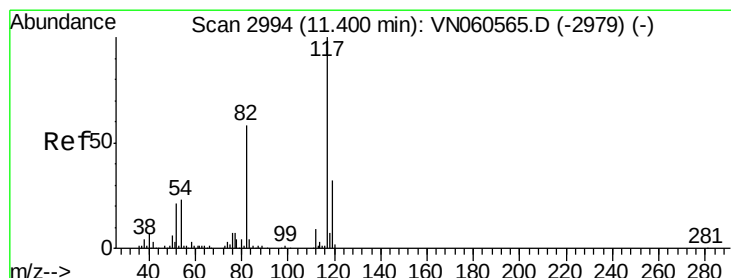
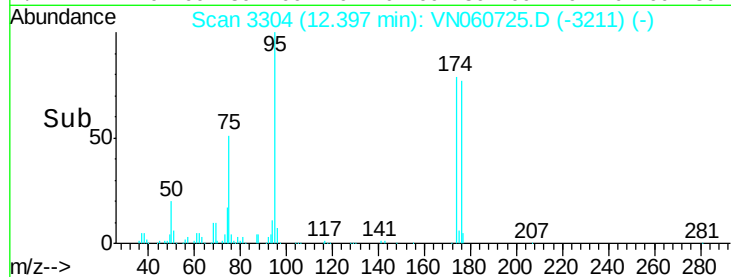
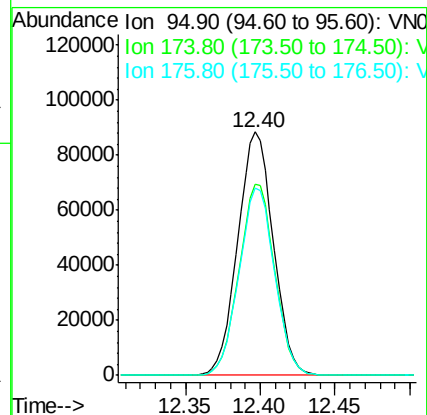
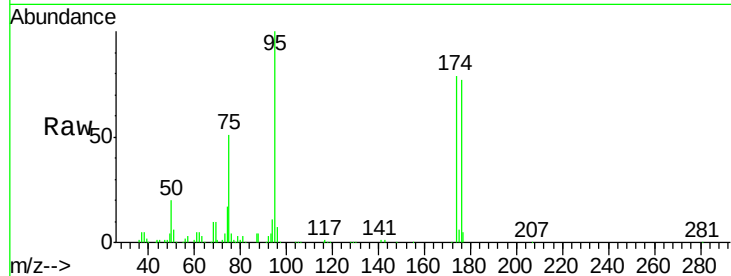
Tgt Ion: 95 Resp: 146464

Ion Ratio Lower Upper

95 100

174 78.5 0.0 157.6

176 77.0 0.0 150.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060725.D

Acq: 26 Mar 2020 19:38

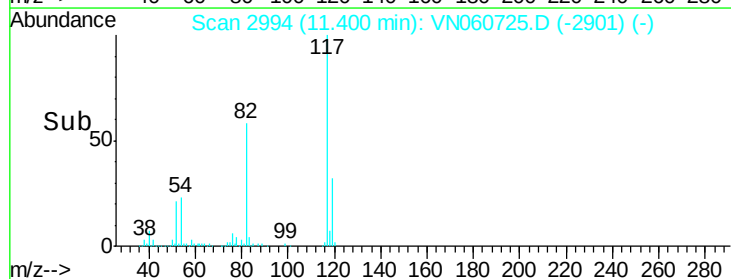
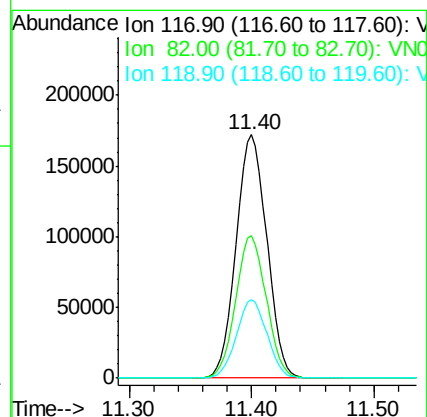
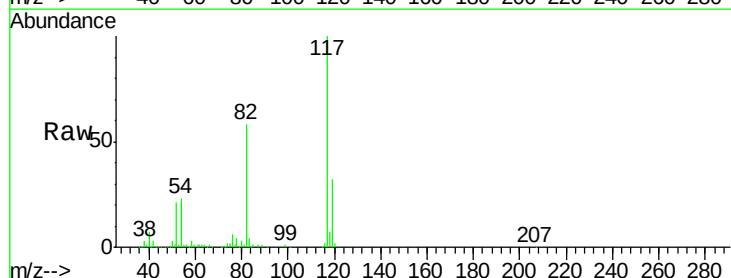
Tgt Ion: 117 Resp: 301610

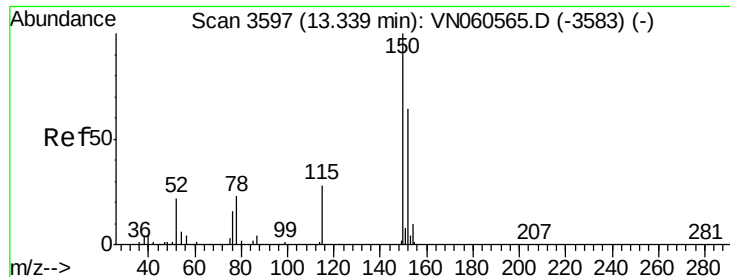
Ion Ratio Lower Upper

117 100

82 58.4 46.7 70.1

119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060725.D

Acq: 26 Mar 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#02

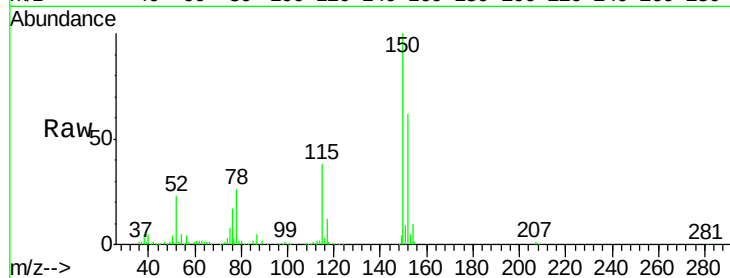
Tgt Ion:152 Resp: 136191

Ion Ratio Lower Upper

152 100

115 60.6 30.2 90.6

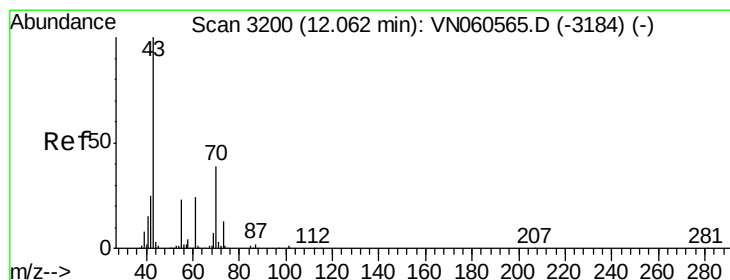
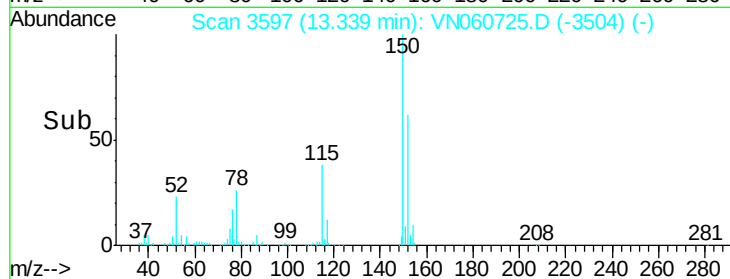
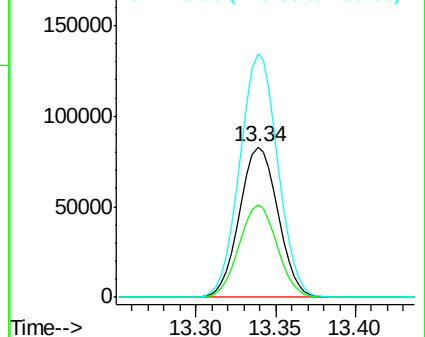
150 159.4 0.0 350.2



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: 0.649 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060725.D

Acq: 26 Mar 2020 19:38

Tgt Ion: 43 Resp: 3065

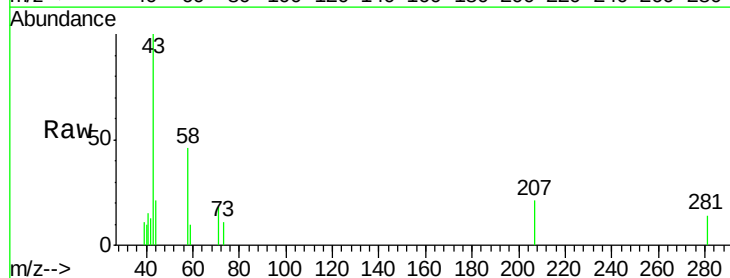
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

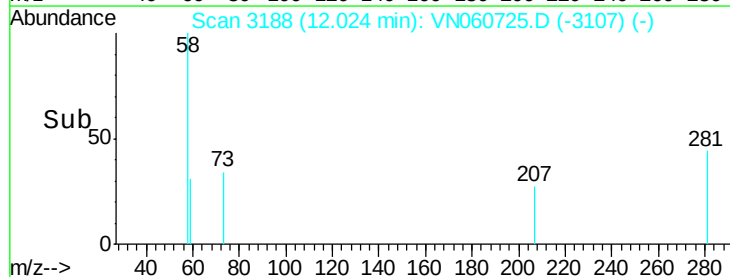
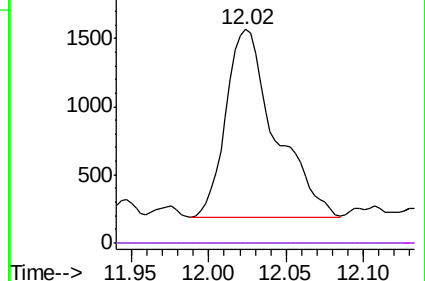


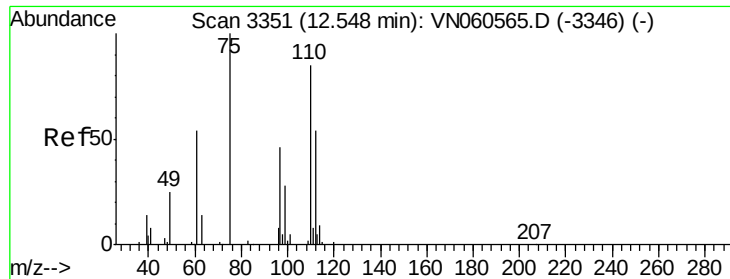
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.233 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060725.D

Acq: 26 Mar 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

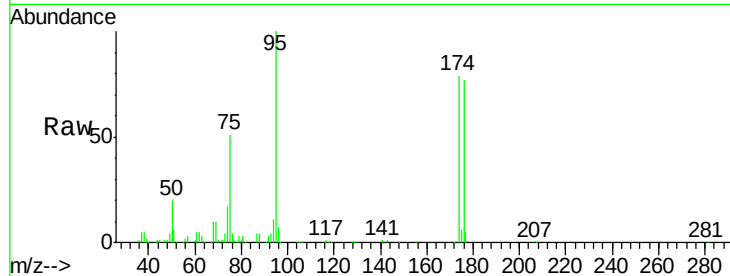
PB127792ZHE#02

Tgt Ion: 75 Resp: 74154

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060725.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060725.D (-3304) (-)

12.40

50000

40000

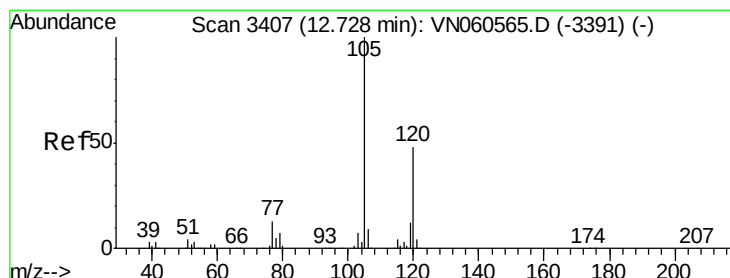
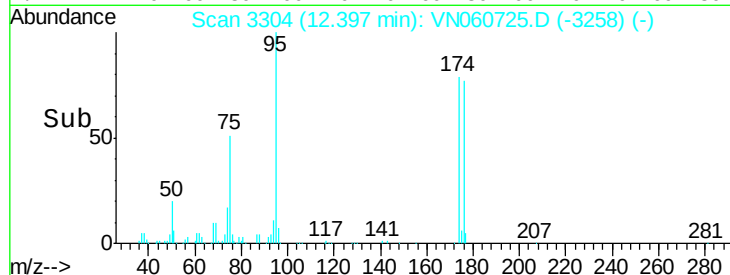
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.389 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060725.D

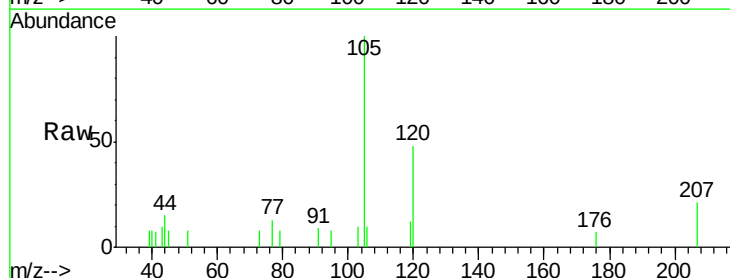
Acq: 26 Mar 2020 19:38

Tgt Ion: 105 Resp: 3378

Ion Ratio Lower Upper

105 100

120 43.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060725.D (-3407) (-)

Ion 120.00 (119.70 to 120.70): VN060725.D (-3407) (-)

12.73

2500

2000

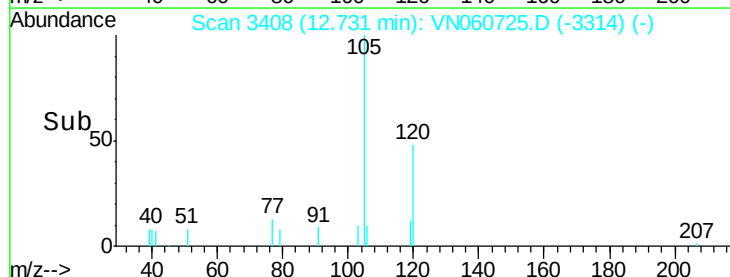
1500

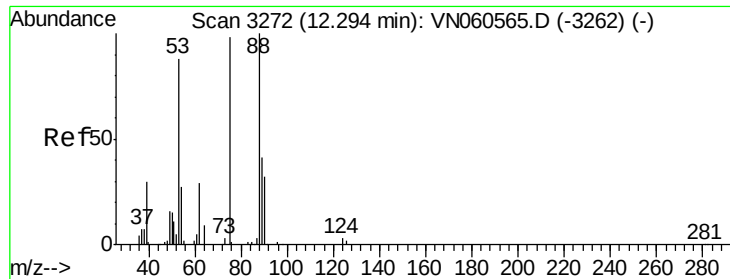
1000

500

0

Time-->

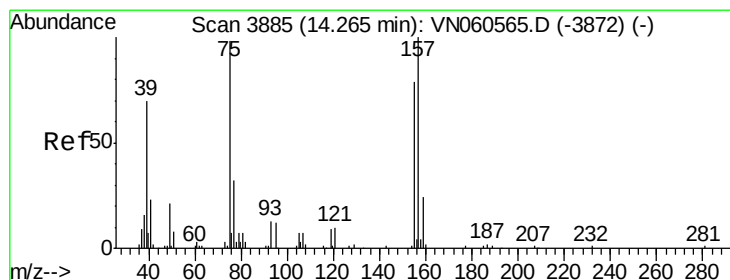
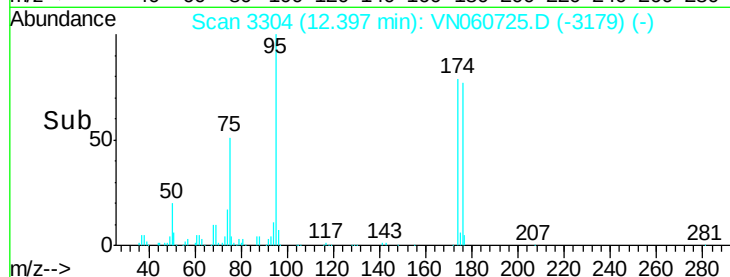
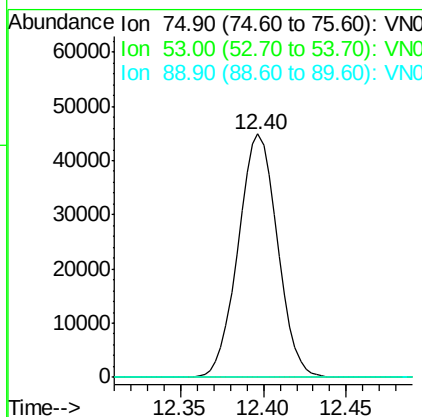
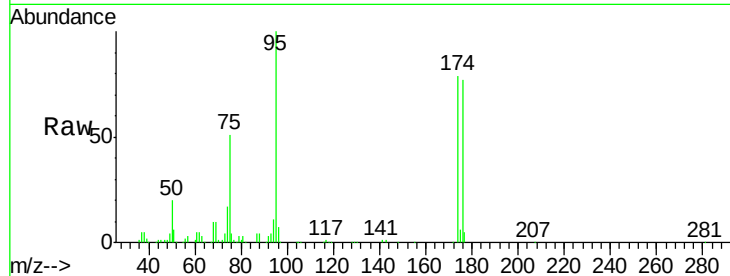




#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.807 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#02

Tgt Ion: 75 Resp: 74154
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.54 min Scan# 3972
 Delta R.T. 0.28 min
 Lab File: VN060725.D
 Acq: 26 Mar 2020 19:38

Tgt Ion: 75 Resp: 29
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.7 122.1#
 157 0.0 51.5 154.7#

