

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060615.D
 Acq On : 19 Mar 2020 1:06
 Operator : JC/MD
 Sample : PB127624ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127624ZHE#09

Quant Time: Mar 19 05:06:50 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	199838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138624	50.00	ug/l	0.00

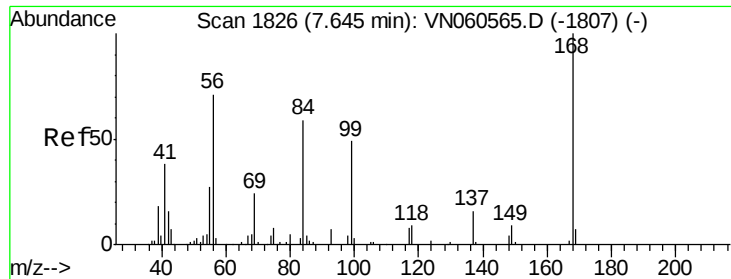
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129146	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	7.56	113	96991	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.08	98	406582	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.40	95	150582	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
16) Acetone	3.79	43	5854	6.024	ug/l	93
18) Methyl Acetate	4.31	43	1534	0.561	ug/l #	67
20) Methylene Chloride	4.52	84	5823	2.436	ug/l	97
25) 2-Butanone	6.81	43	863	0.549	ug/l #	50
31) Cyclohexane	7.64	56	4079	0.923	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15640	4.888	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18931	6.601	ug/l #	17
43) Isopropyl Acetate	8.14	43	61689	10.818	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1172	0.460	ug/l #	43
48) Methyl methacrylate	9.16	41	3144	1.238	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5705	1.758	ug/l #	66
54) cis-1,3-Dichloropropene	9.89	75	25913	6.422	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4195	1.077	ug/l #	42
59) 2-Hexanone	10.75	43	63167	27.024	ug/l #	51
71) Bromoform	12.38	173	34	1.698	ug/l #	29
74) N-amyl acetate	12.02	43	2665	0.554	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76405	25.543	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3463	0.392	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	76405	65.602	ug/l #	13

(#) = 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: VN060615.D

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ClientSampleId :

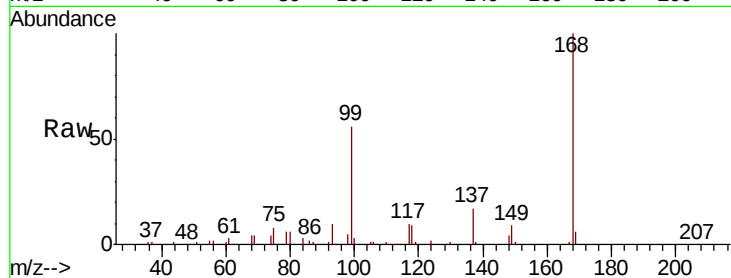
PB127624ZHE#09

Tot Ion:168 Resp: 199838

Ion Ratio Lower Upper

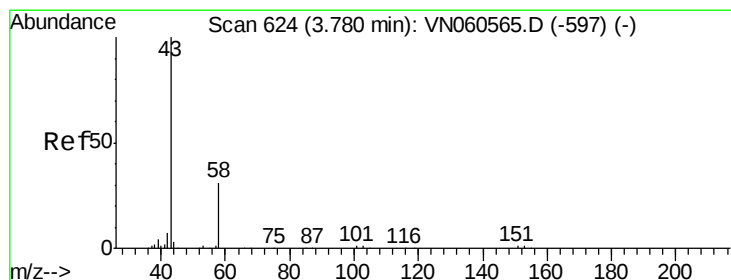
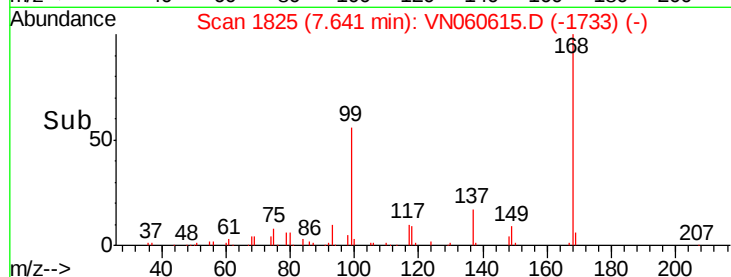
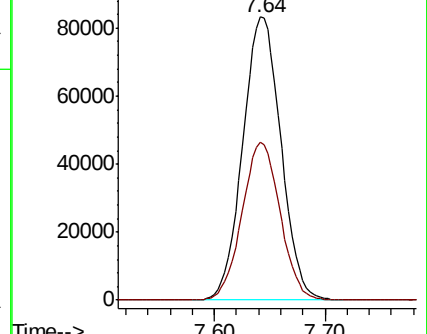
168 100

99 55.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.024 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060615.D

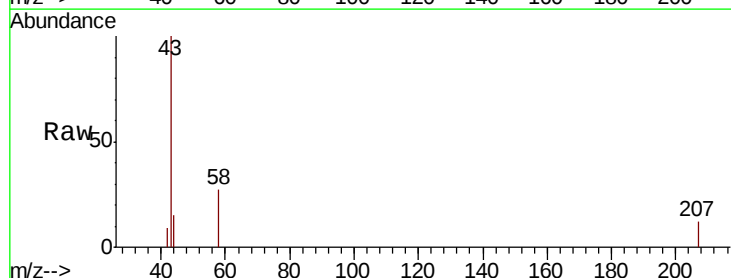
Acq: 19 Mar 2020 1:06

Tgt Ion: 43 Resp: 5854

Ion Ratio Lower Upper

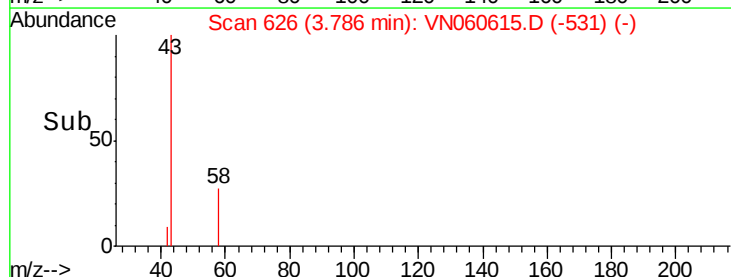
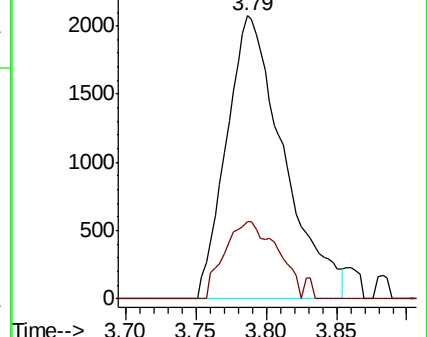
43 100

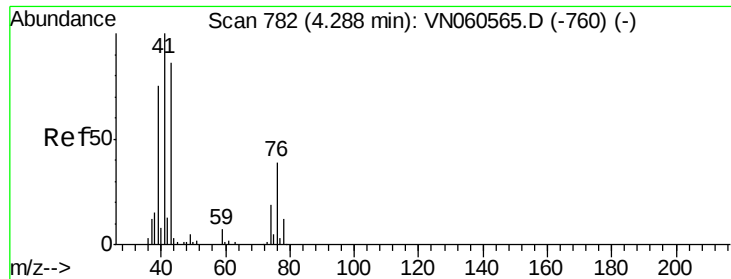
58 27.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

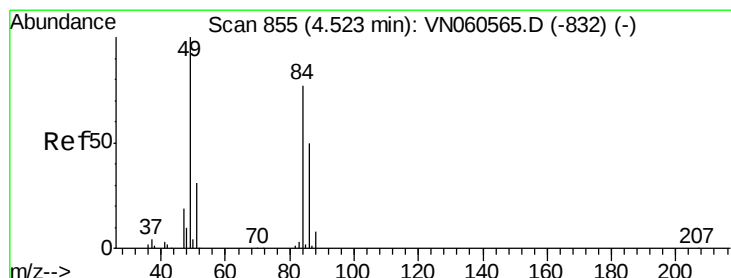
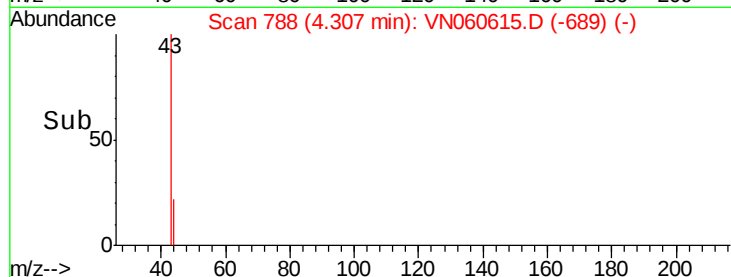
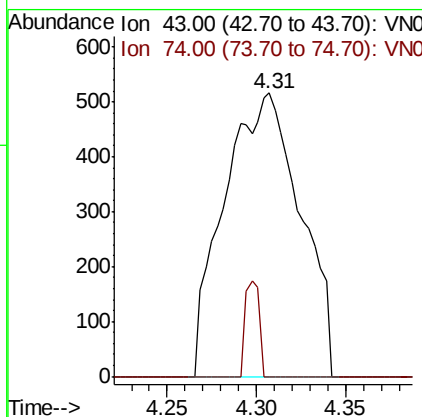
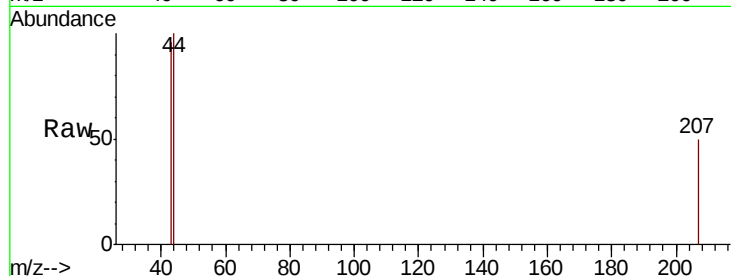




#18
Methyl Acetate
Concen: 0.561 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN060615.D
Acq: 19 Mar 2020 1:06

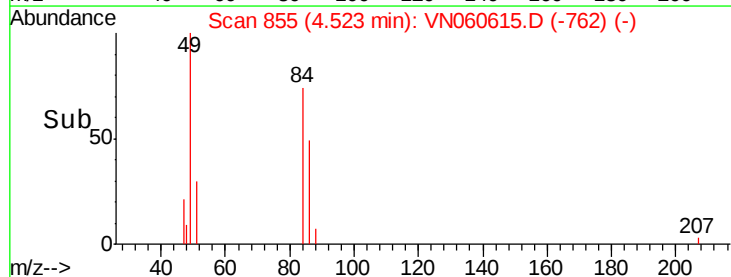
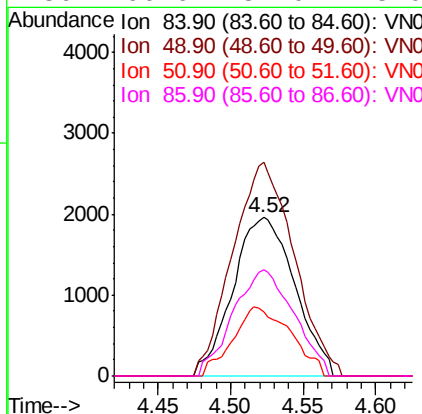
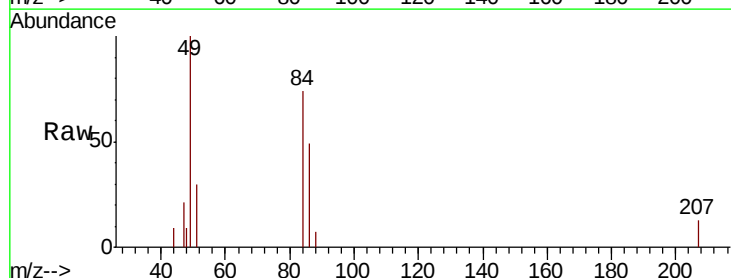
Instrument :
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PB127624ZHE#09

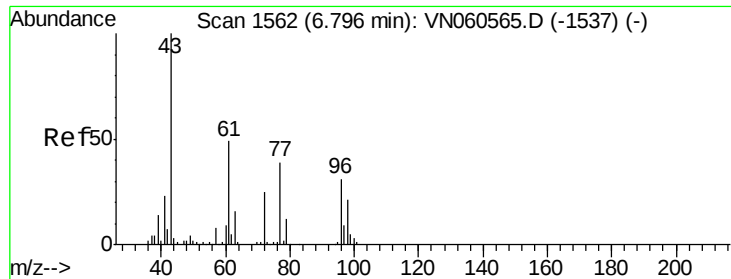
Tot Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
74 6.1 17.5 26.3#



#20
Methylene Chloride
Concen: 2.436 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060615.D
Acq: 19 Mar 2020 1:06

Tgt Ion: 84 Resp: 5823
Ion Ratio Lower Upper
84 100
49 134.6 103.3 154.9
51 40.3 31.6 47.4
86 66.6 52.0 78.0

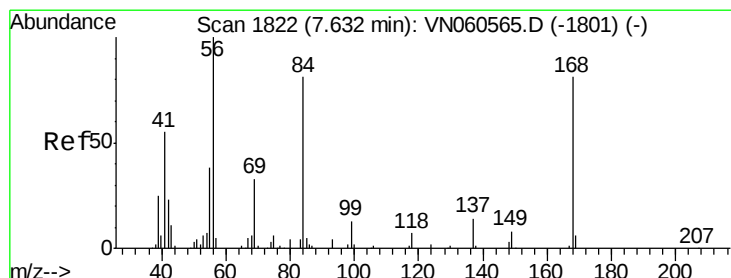
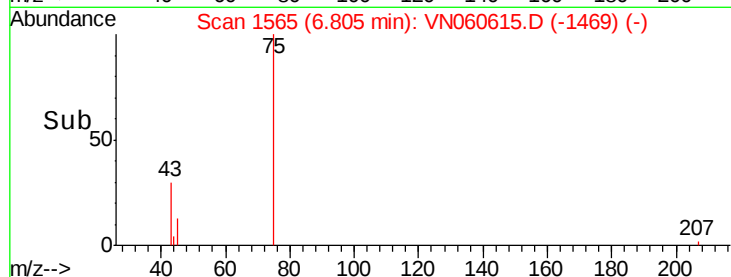
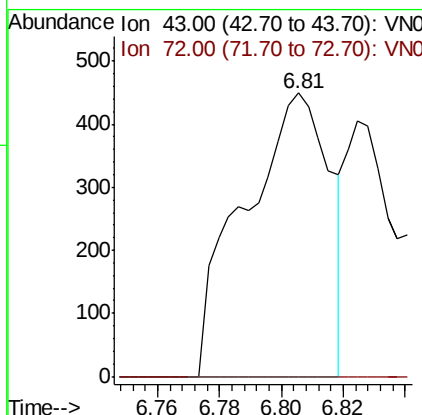
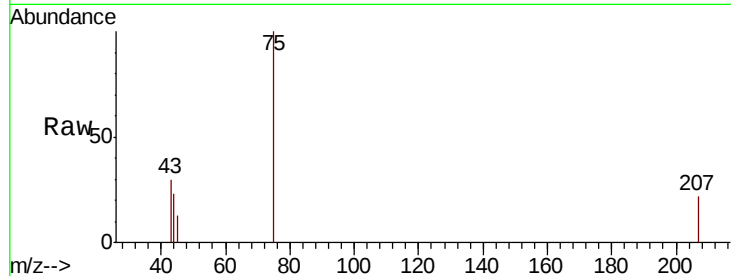




#25
2-Butanone
Concen: 0.549 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060615.D
Acq: 19 Mar 2020 1:06

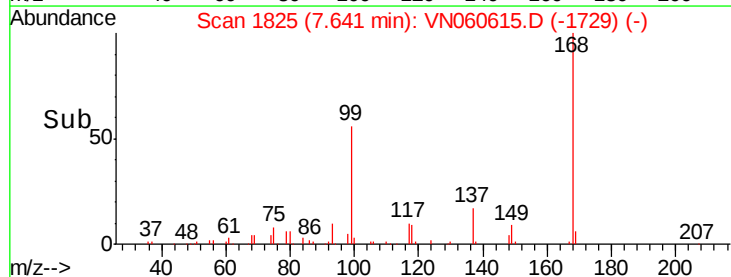
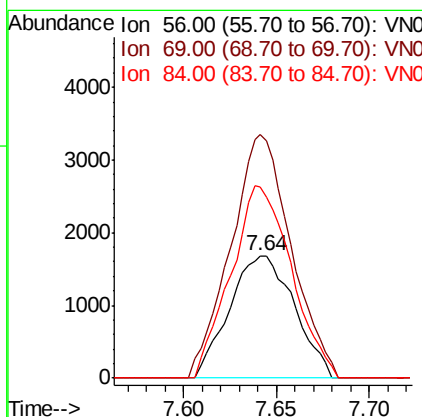
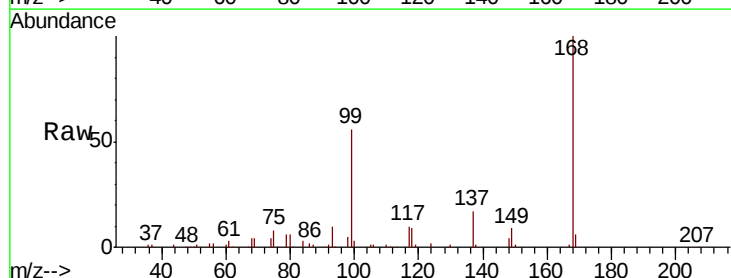
Instrument :
MSVOA_N
ClientSampleId :
PB127624ZHE#09

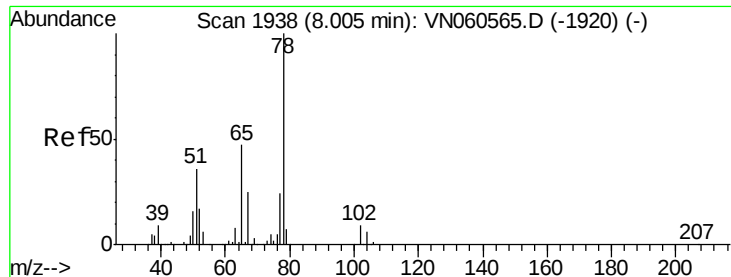
Tot Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.923 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060615.D
Acq: 19 Mar 2020 1:06

Tgt Ion: 56 Resp: 4079
Ion Ratio Lower Upper
56 100
69 199.0 26.6 40.0#
84 156.1 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 47.077 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

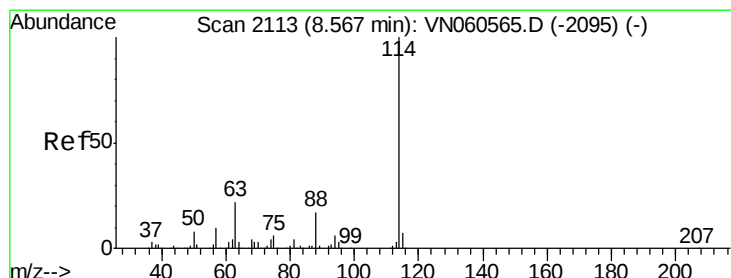
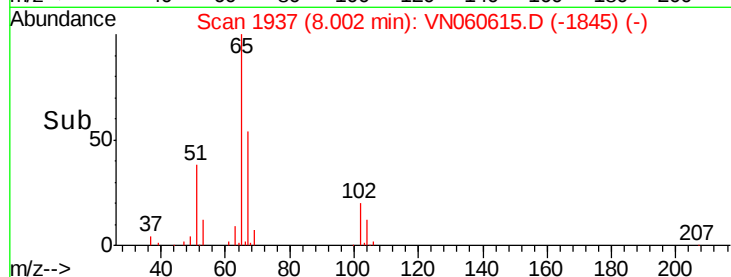
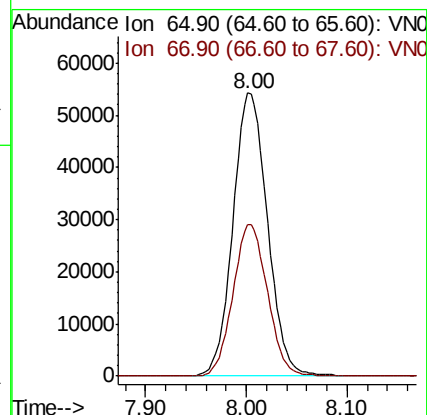
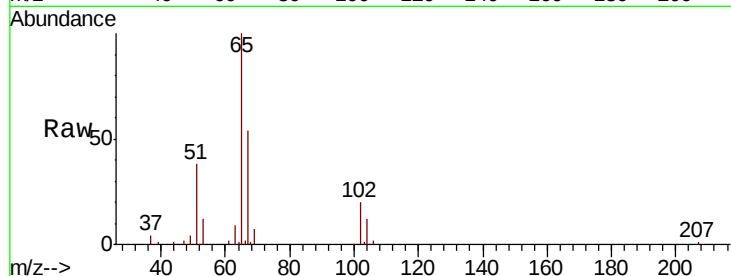
PB127624ZHE#09

Tot Ion: 65 Resp: 129146

Ion Ratio Lower Upper

65 100

67 53.5 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: VN060615.D

Acq: 19 Mar 2020 1:06

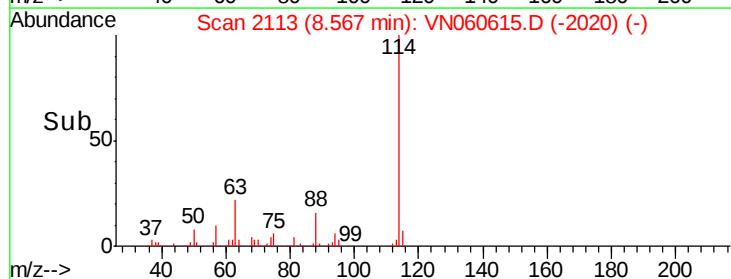
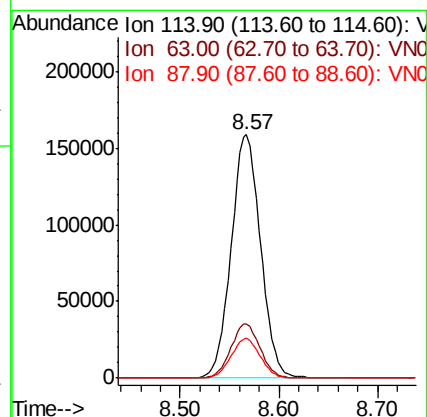
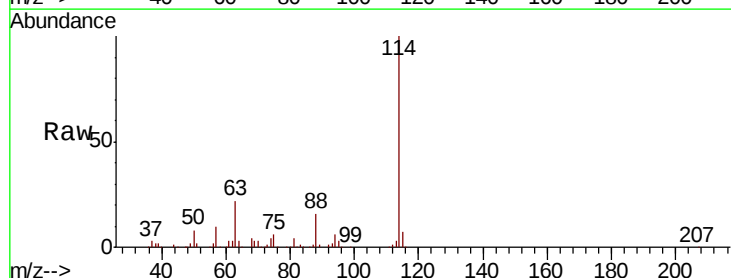
Tgt Ion: 114 Resp: 330465

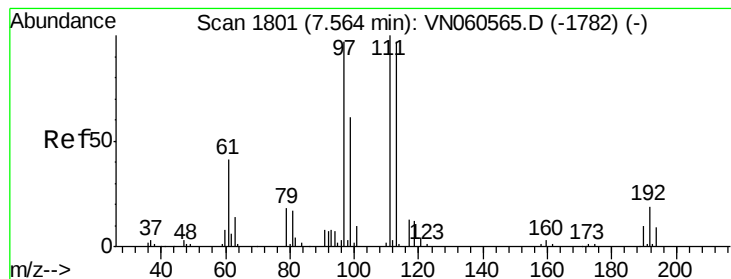
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.8

88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.539 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

PB127624ZHE#09

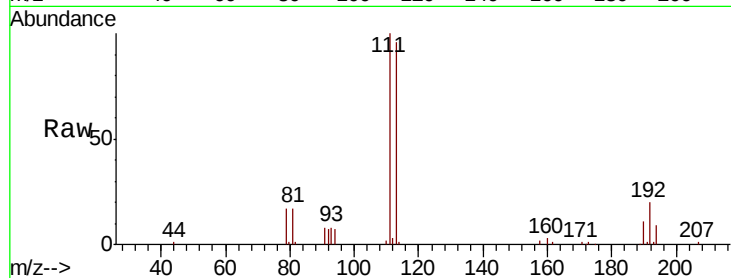
Tot Ion:113 Resp: 96991

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

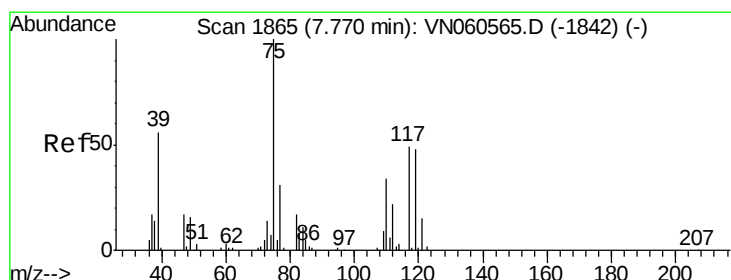
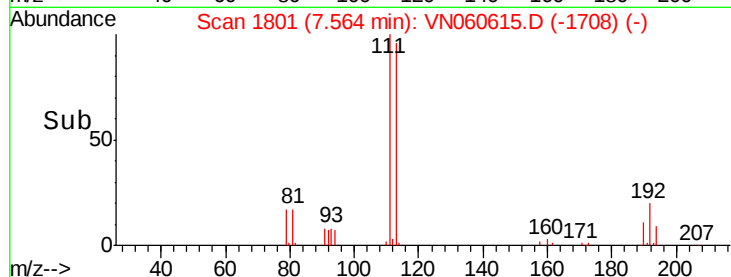
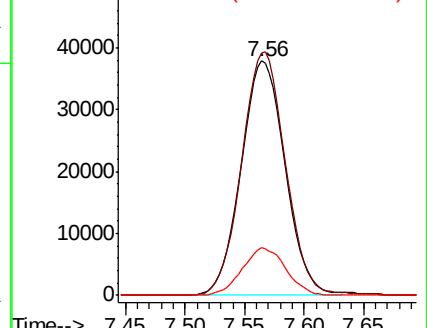
192 20.0 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.888 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

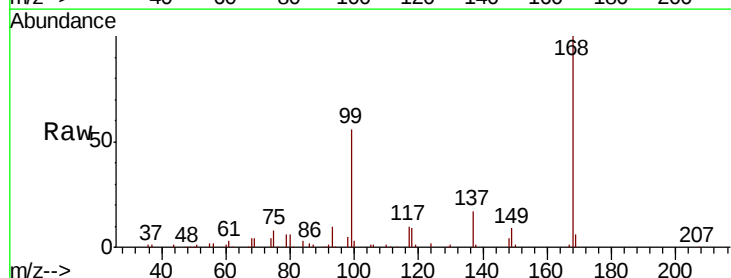
Tgt Ion: 75 Resp: 15640

Ion Ratio Lower Upper

75 100

110 7.7 16.9 50.6#

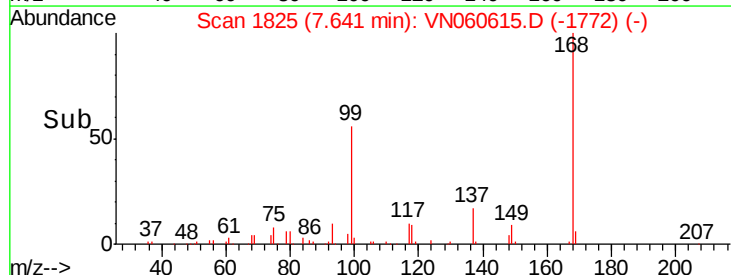
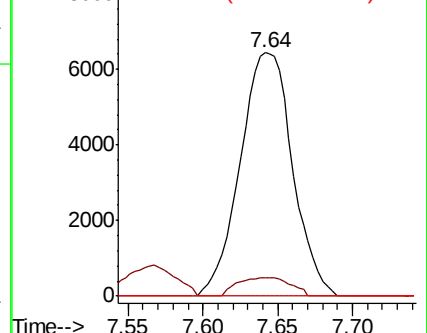
77 0.0 24.6 36.8#

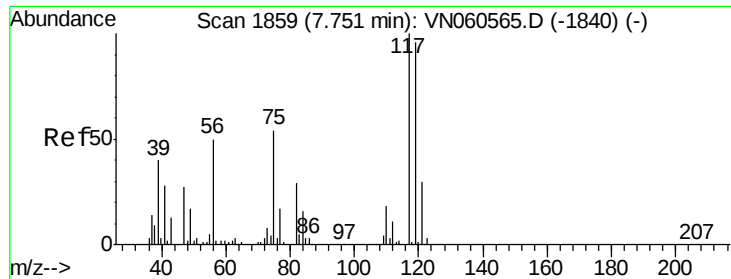


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.601 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

PB127624ZHE#09

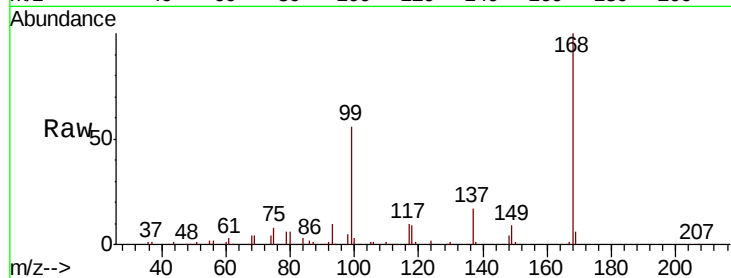
Tot Ion:117 Resp: 18931

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

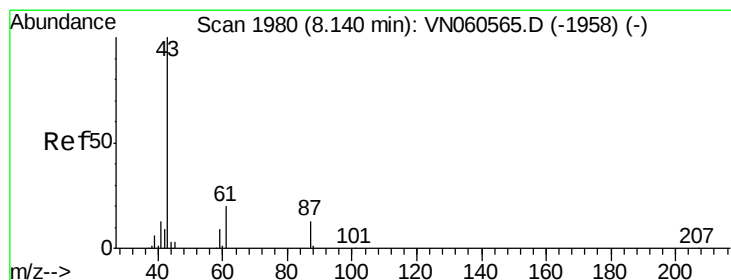
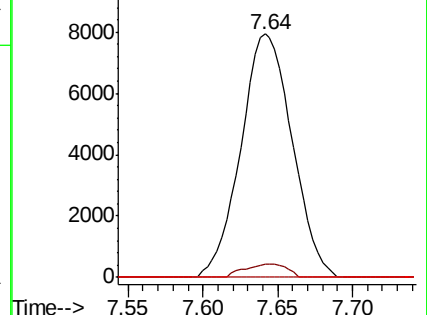
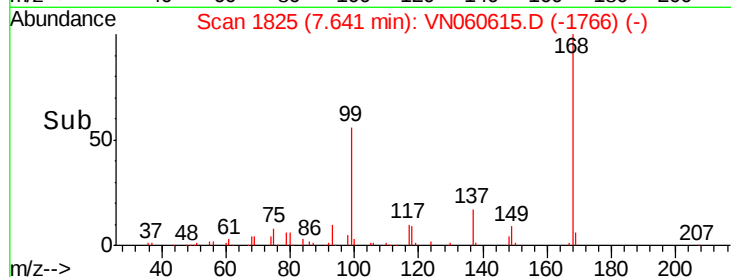
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.818 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

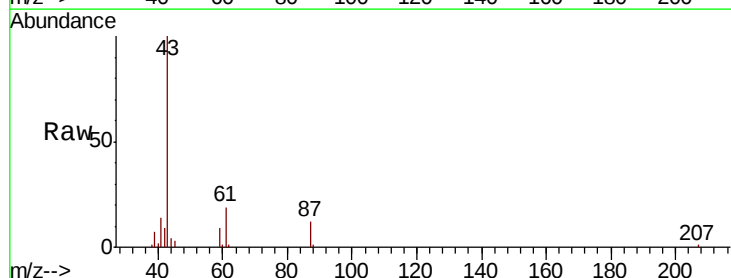
Tgt Ion: 43 Resp: 61689

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

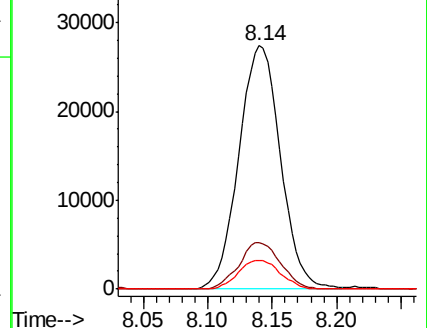
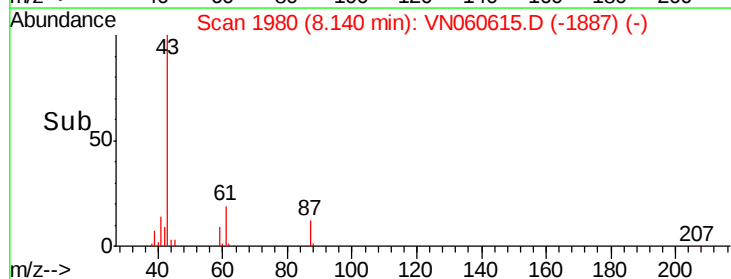
87 11.8 9.8 14.8

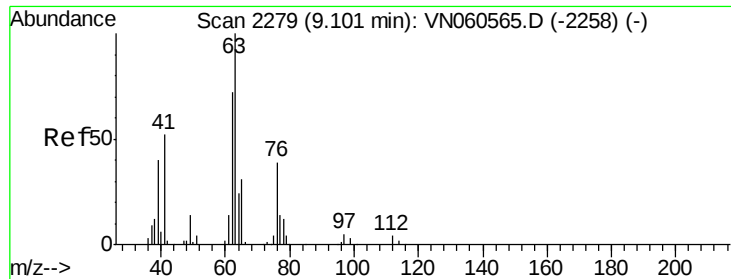


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

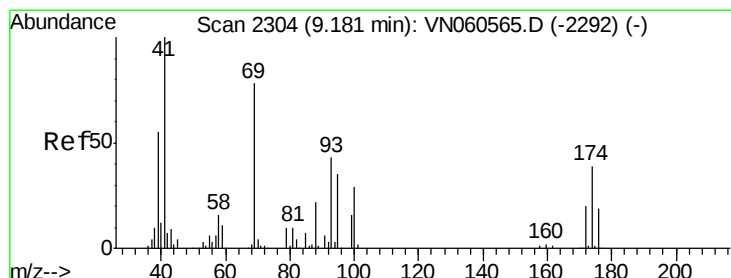
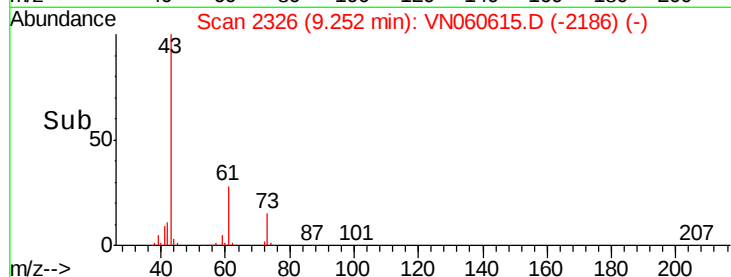
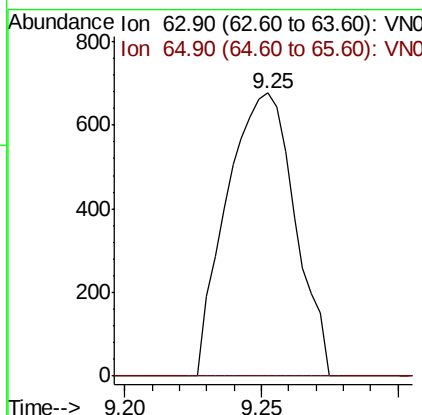
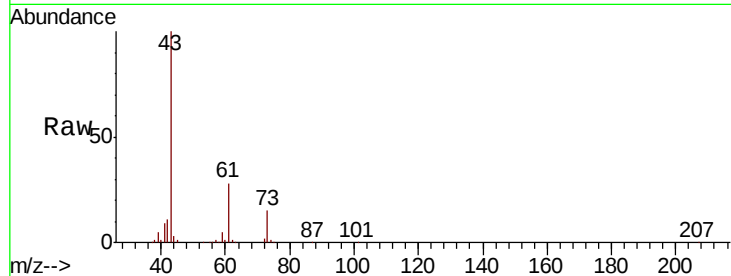




#45
 1,2-Dichloropropane
 Concen: 0.460 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060615.D
 Acq: 19 Mar 2020 1:06

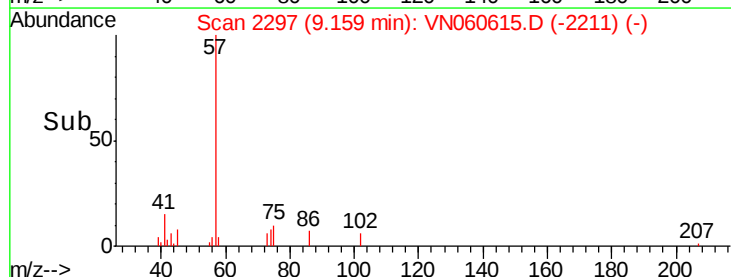
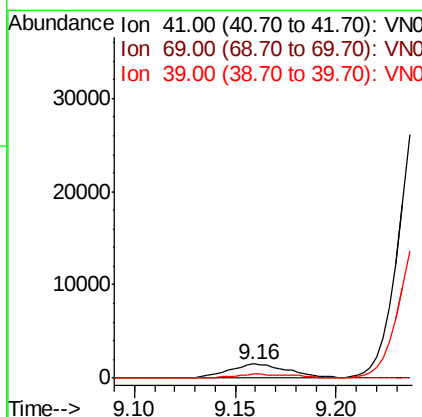
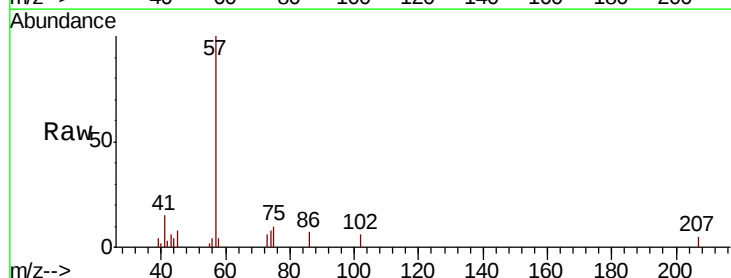
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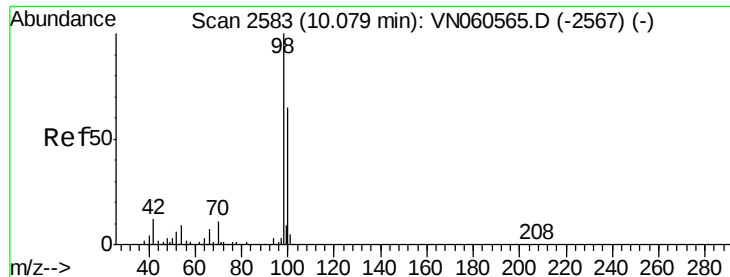
Tot Ion: 63 Resp: 1172
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.238 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060615.D
 Acq: 19 Mar 2020 1:06

Tgt Ion: 41 Resp: 3144
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 49.814 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

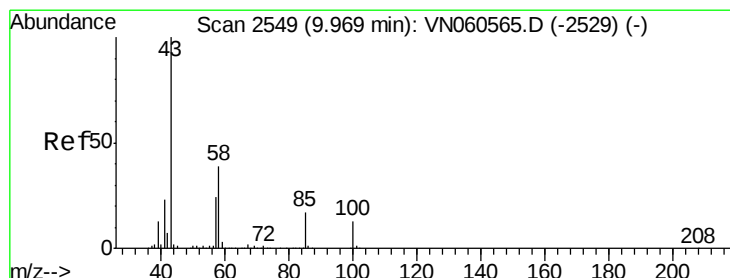
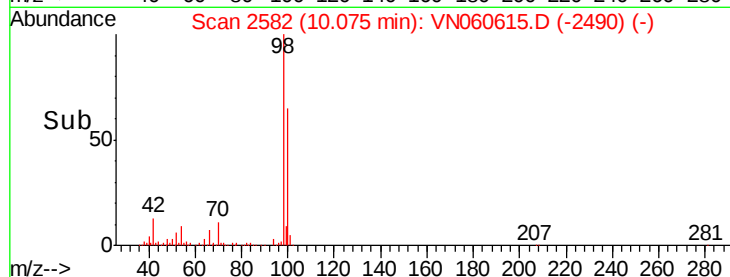
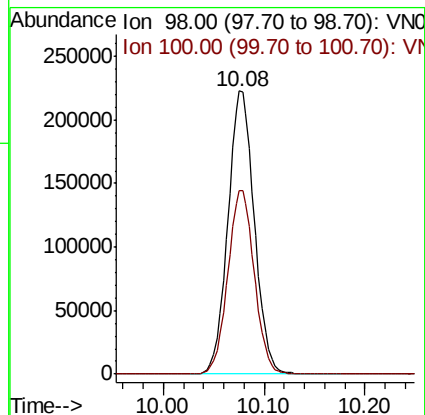
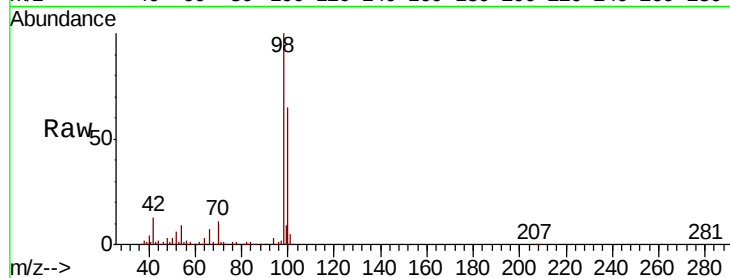
PB127624ZHE#09

Tot Ion: 98 Resp: 406582

Ion Ratio Lower Upper

98 100

100 65.1 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.758 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060615.D

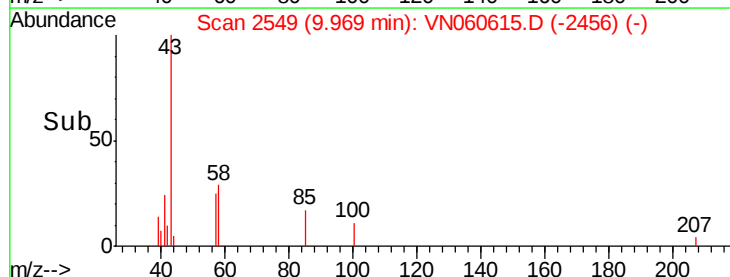
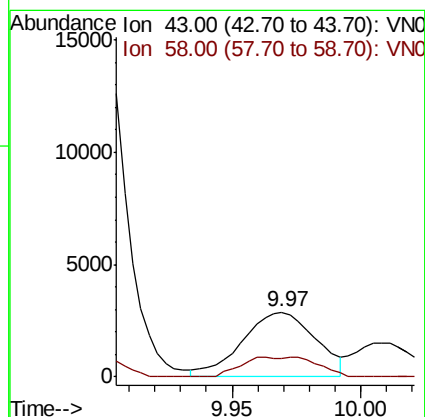
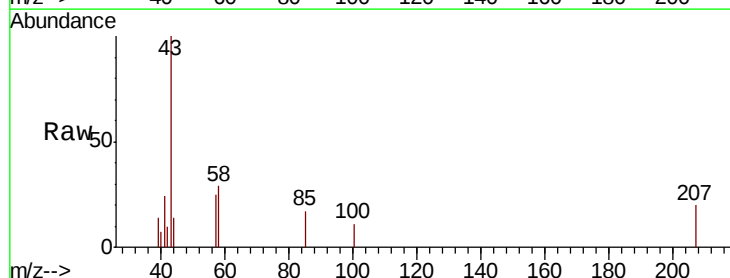
Acq: 19 Mar 2020 1:06

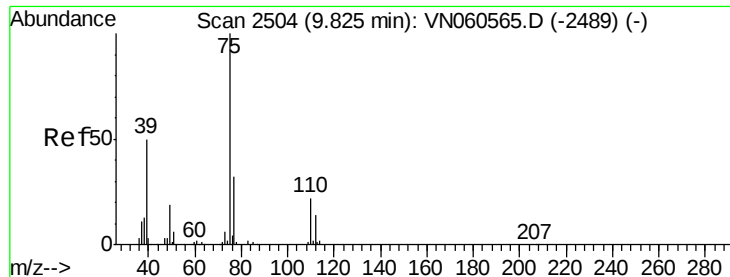
Tgt Ion: 43 Resp: 5705

Ion Ratio Lower Upper

43 100

58 17.7 30.8 46.2#





#54

cis-1,3-Dichloropropene

Concen: 6.422 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

PB127624ZHE#09

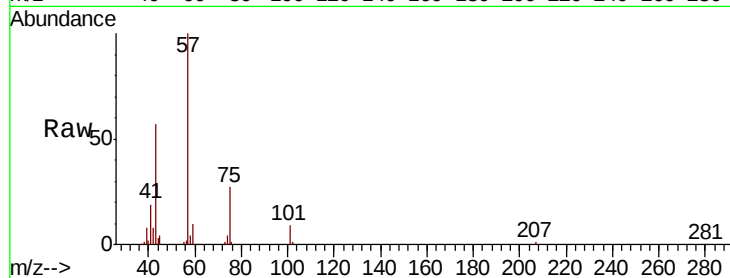
Tot Ion: 75 Resp: 25913

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

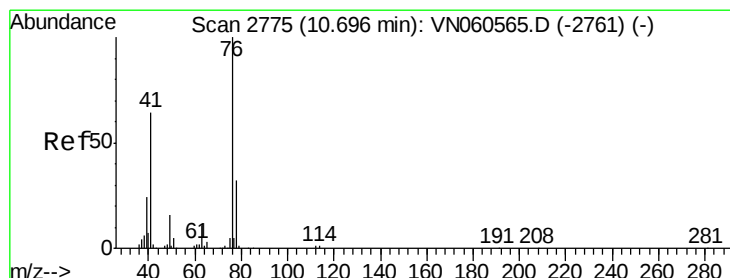
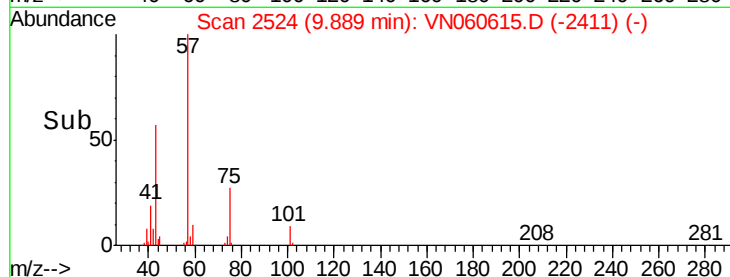
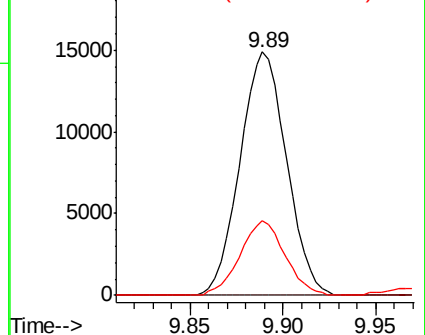
39 30.4 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.077 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060615.D

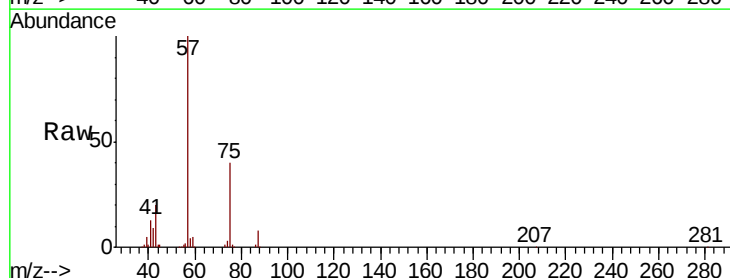
Acq: 19 Mar 2020 1:06

Tgt Ion: 76 Resp: 4195

Ion Ratio Lower Upper

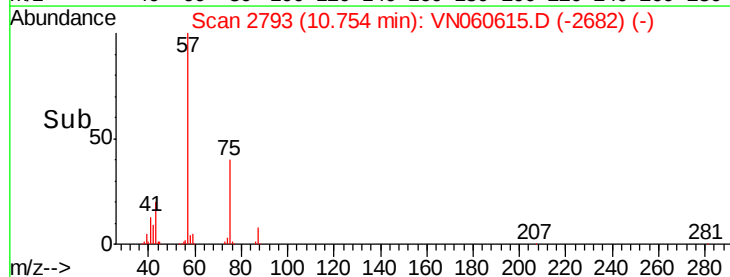
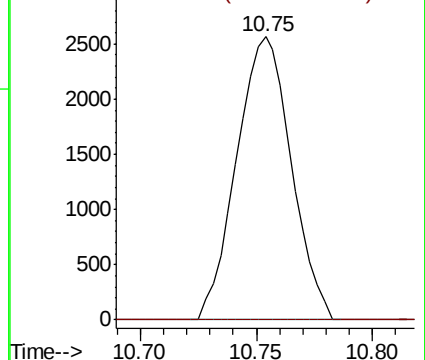
76 100

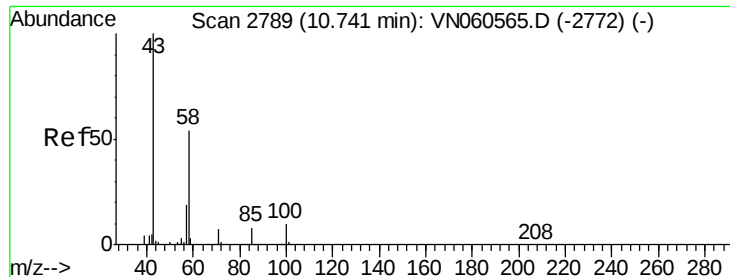
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

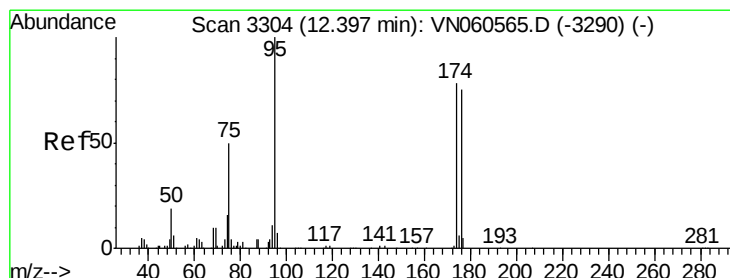
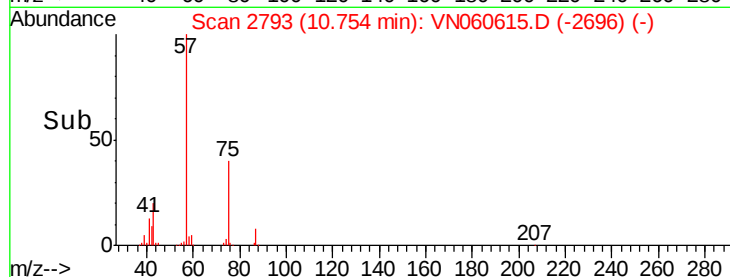
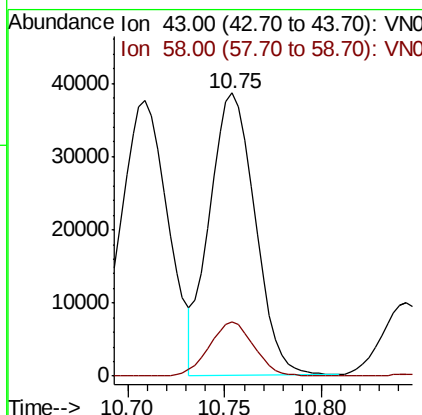
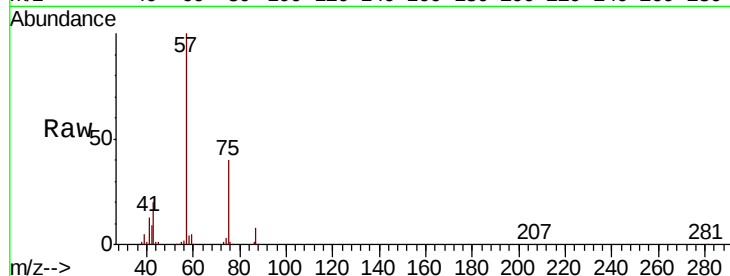




#59
2-Hexanone
Concen: 27.024 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060615.D
Acq: 19 Mar 2020 1:06

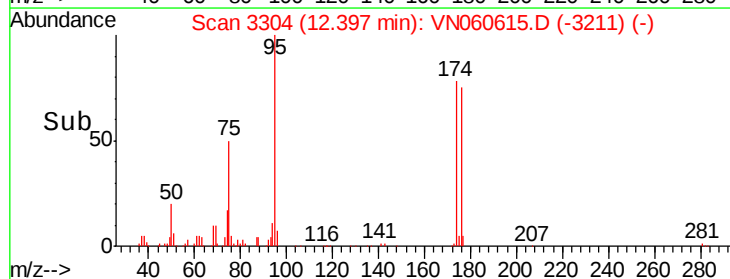
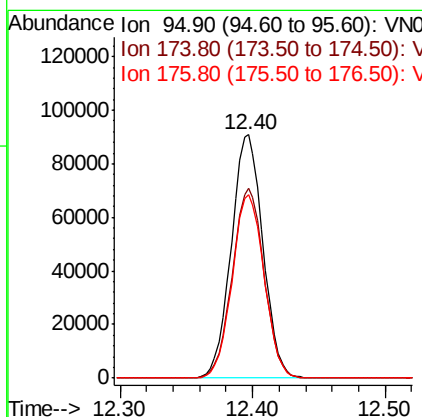
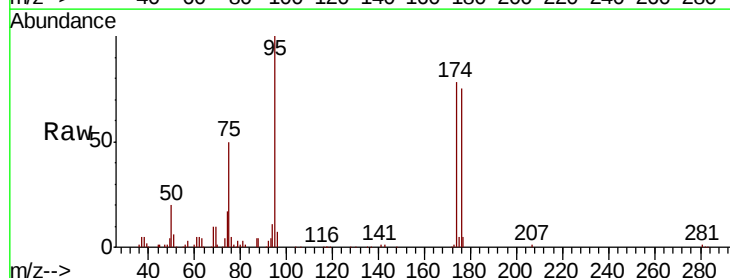
Instrument :
MSVOA_N
ClientSampleId :
PB127624ZHE#09

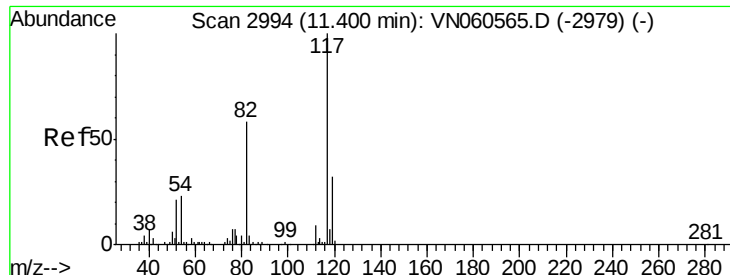
Tot Ion: 43 Resp: 63167
Ion Ratio Lower Upper
43 100
58 18.8 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.341 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060615.D
Acq: 19 Mar 2020 1:06

Tgt Ion: 95 Resp: 150582
Ion Ratio Lower Upper
95 100
174 78.3 0.0 157.6
176 75.8 0.0 150.6

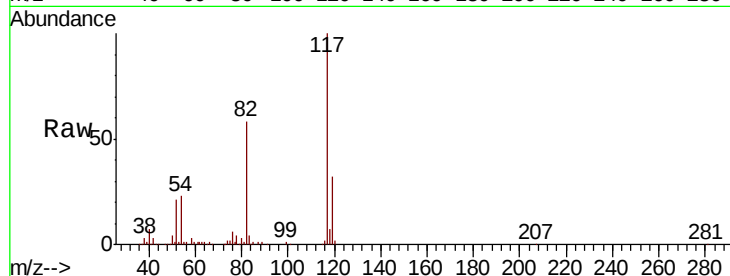




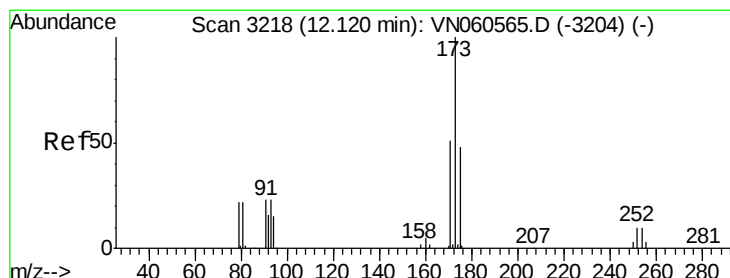
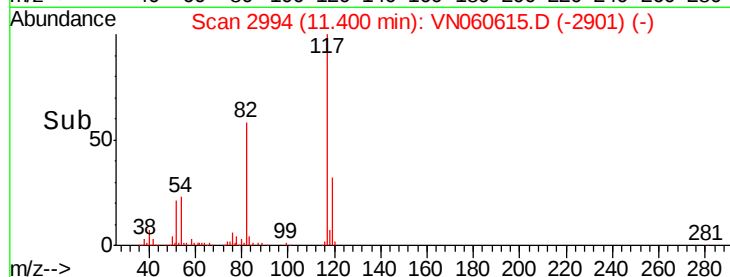
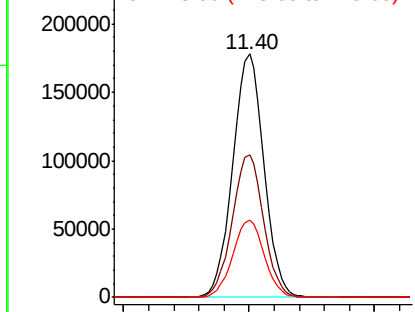
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060615.D
Acq: 19 Mar 2020 1:06

Instrument :
MSVOA_N
ClientSampleId :
PB127624ZHE#09

Tot Ion:117 Resp: 307203
Ion Ratio Lower Upper
117 100
82 58.5 46.7 70.1
119 31.7 25.5 38.3

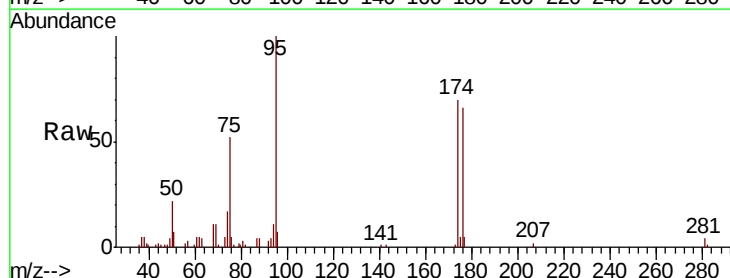


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

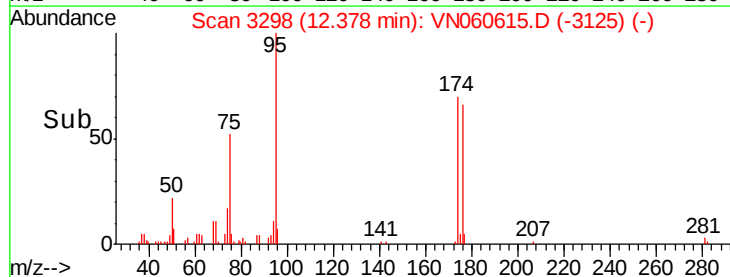
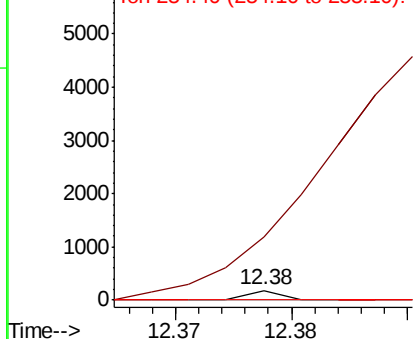


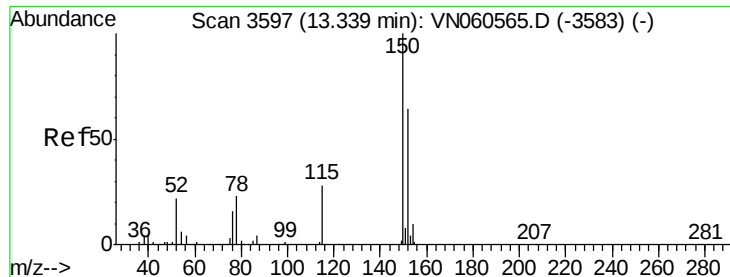
#71
Bromoform
Concen: 1.698 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.26 min
Lab File: VN060615.D
Acq: 19 Mar 2020 1:06

Tgt Ion:173 Resp: 34
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
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: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

PB127624ZHE#09

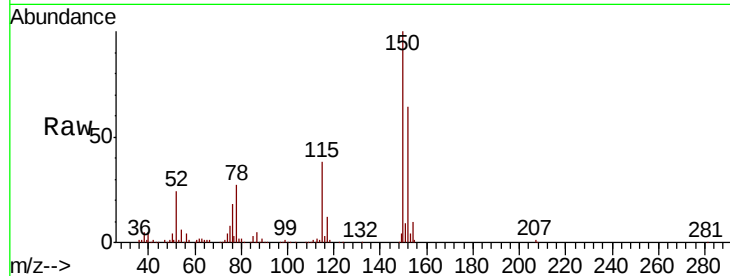
Tot Ion:152 Resp: 138624

Ion Ratio Lower Upper

152 100

115 59.5 30.2 90.6

150 155.7 0.0 350.2

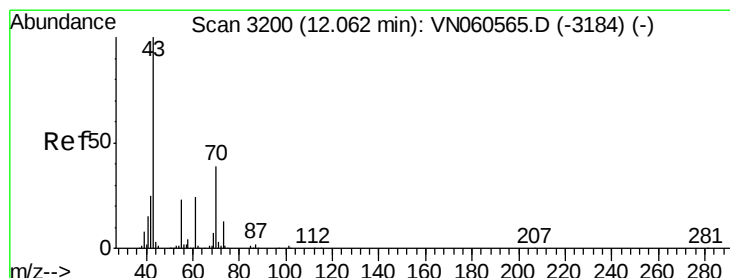
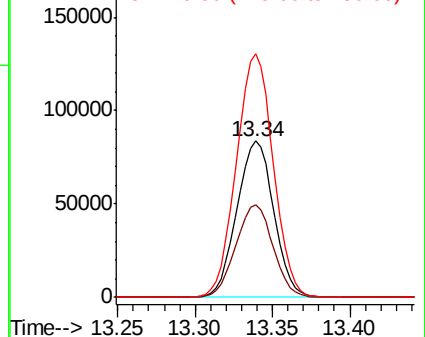
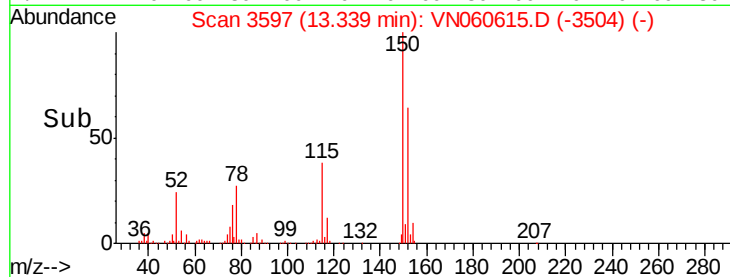


Abundance

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: 0.554 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

Tgt Ion: 43 Resp: 2665

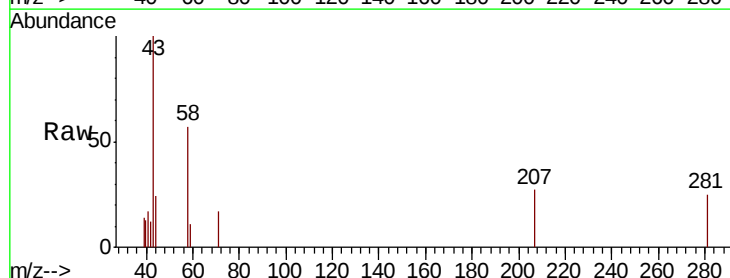
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#



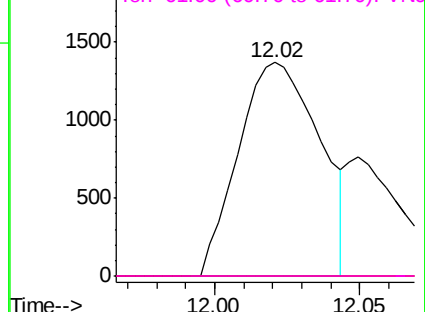
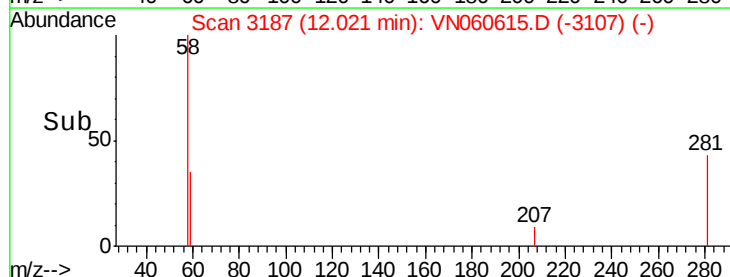
Abundance

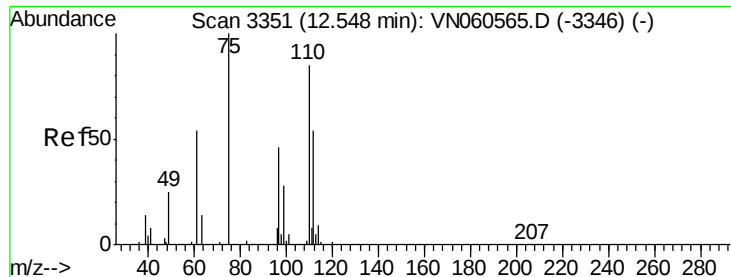
Ion 43.00 (42.70 to 43.70): V

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: 25.543 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

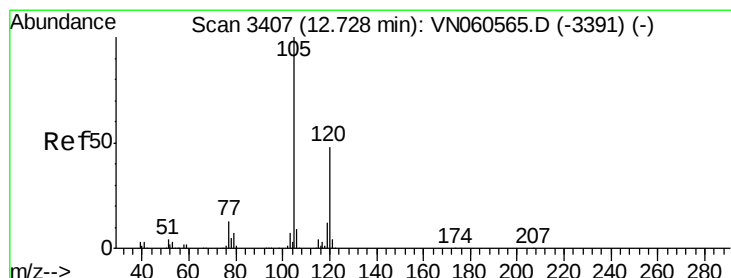
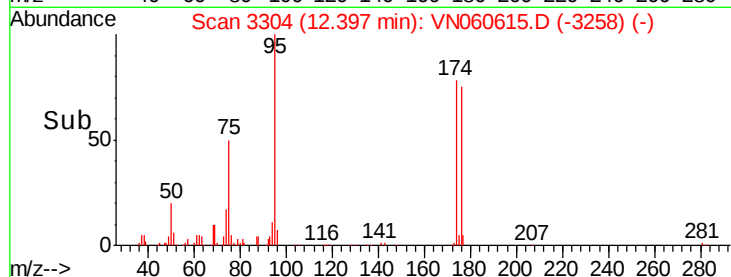
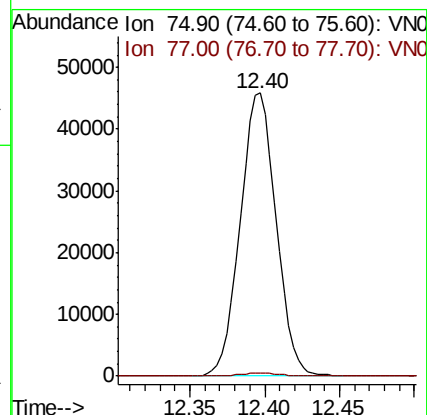
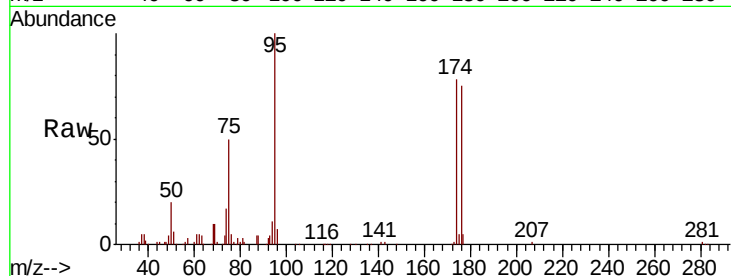
PB127624ZHE#09

Tot Ion: 75 Resp: 76405

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.392 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060615.D

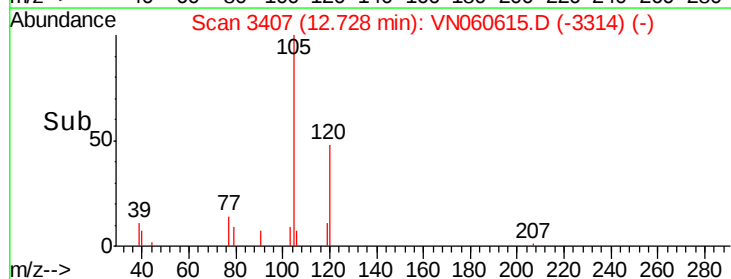
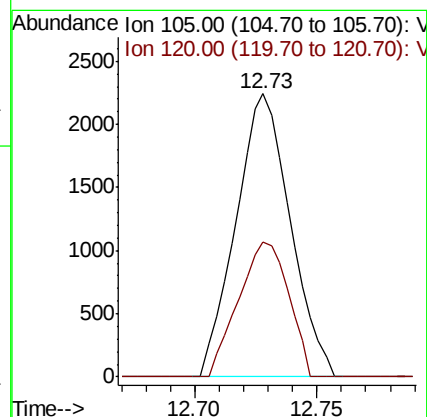
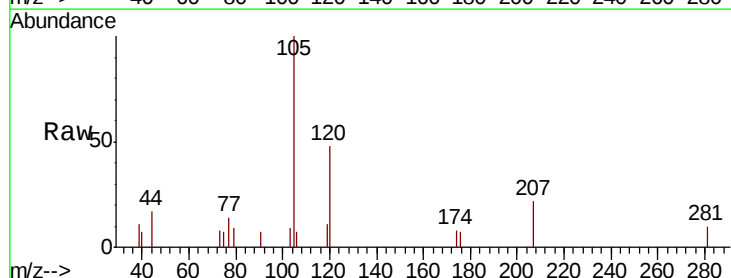
Acq: 19 Mar 2020 1:06

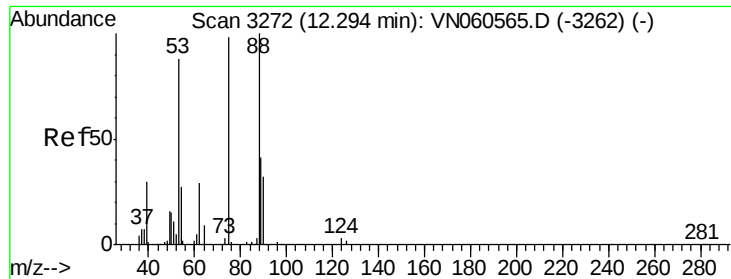
Tgt Ion: 105 Resp: 3463

Ion Ratio Lower Upper

105 100

120 44.0 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 65.602 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060615.D

Acq: 19 Mar 2020 1:06

Instrument :

MSVOA_N

ClientSampleId :

PB127624ZHE#09

Tot Ion: 75 Resp: 76405

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

