

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060742.D
 Acq On : 27 Mar 2020 15:16
 Operator : JC/MD
 Sample : PB127814ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#07

Quant Time: Mar 28 01:59:57 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	197344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138896	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	126867	46.83	ug/l	0.00
Spiked Amount						
			Recovery	=	93.66%	
35) Dibromofluoromethane	7.57	113	97229	49.04	ug/l	0.00
Spiked Amount						
			Recovery	=	98.08%	
50) Toluene-d8	10.08	98	407761	50.35	ug/l	0.00
Spiked Amount						
			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.40	95	153125	51.59	ug/l	0.00
Spiked Amount						
			Recovery	=	103.18%	

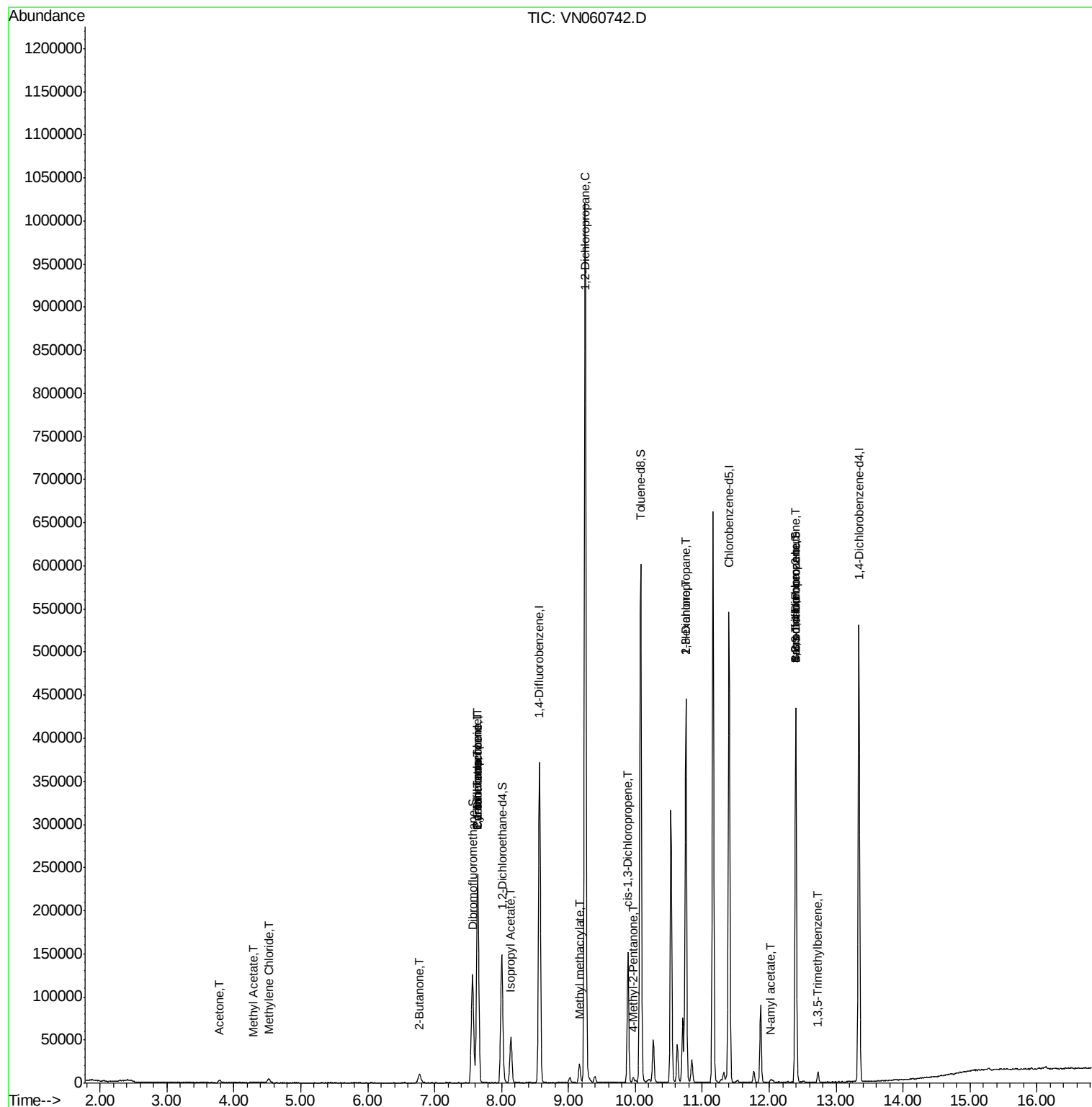
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5483	5.714	ug/l	93
18) Methyl Acetate	4.29	43	1888	0.699	ug/l #	76
20) Methylene Chloride	4.52	84	3432	1.454	ug/l	96
25) 2-Butanone	6.78	43	514	0.331	ug/l #	50
31) Cyclohexane	7.64	56	4047	0.928	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15567	4.903	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18096	6.359	ug/l #	16
43) Isopropyl Acetate	8.14	43	62538	11.053	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	1320	0.522	ug/l #	43
48) Methyl methacrylate	9.16	41	3120	1.239	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4620	1.435	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	26800	6.693	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	4339	1.123	ug/l #	42
59) 2-Hexanone	10.75	43	65488	28.236	ug/l #	51
71) Bromoform	12.40	173	874	2.142	ug/l #	1
74) N-amyl acetate	12.02	43	3154	0.655	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76219	25.431	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6984	0.790	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	76219	65.314	ug/l #	13

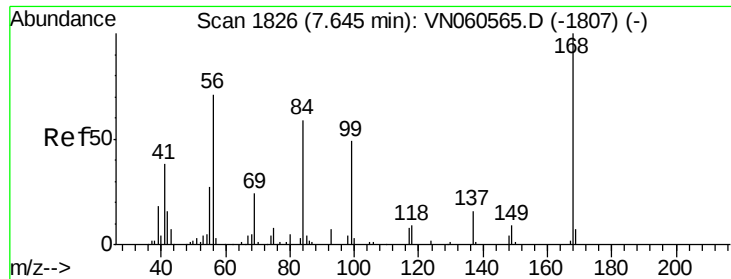
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060742.D

Acq: 27 Mar 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

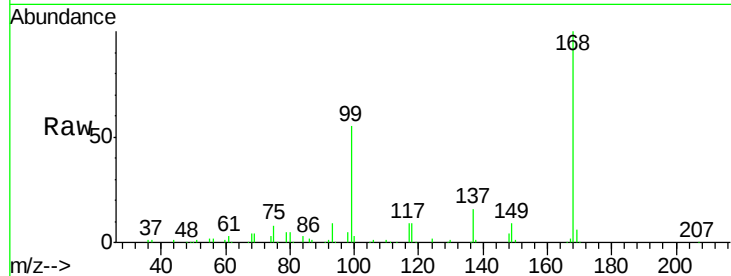
PB127814ZHE#07

Tgt Ion:168 Resp: 197344

Ion Ratio Lower Upper

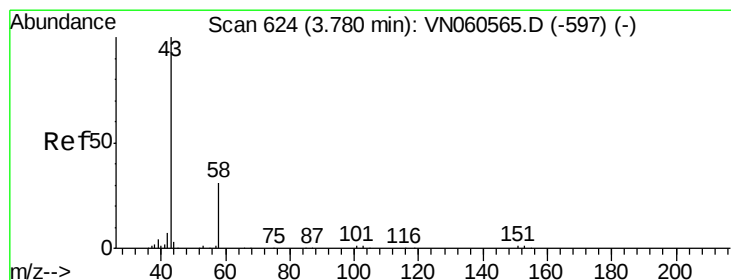
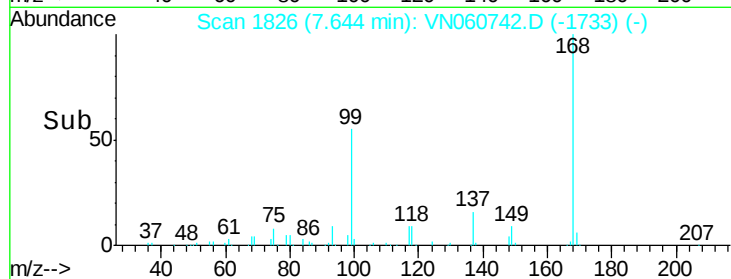
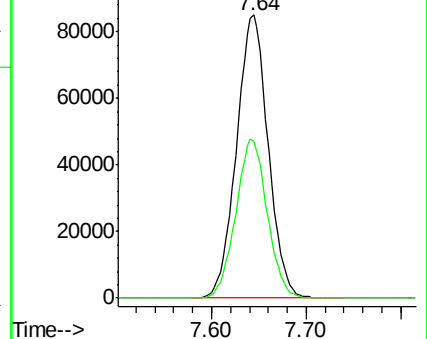
168 100

99 55.4 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: 5.714 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060742.D

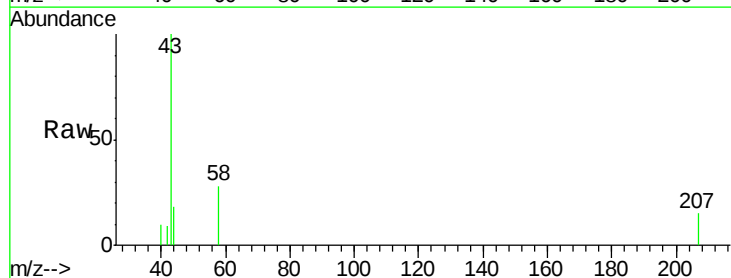
Acq: 27 Mar 2020 15:16

Tgt Ion: 43 Resp: 5483

Ion Ratio Lower Upper

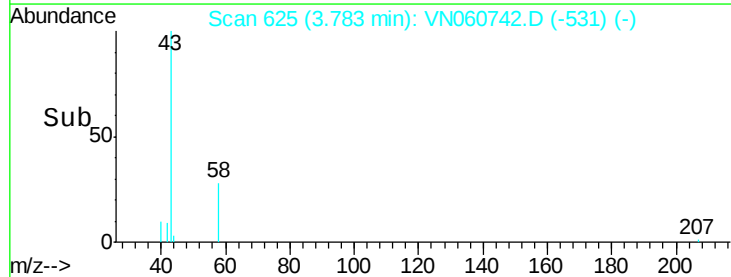
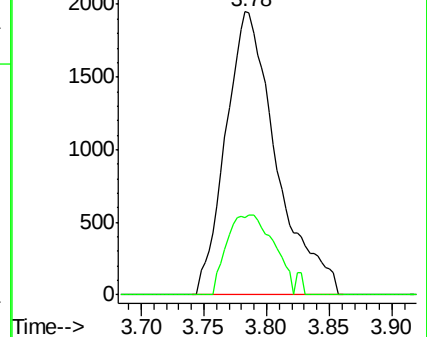
43 100

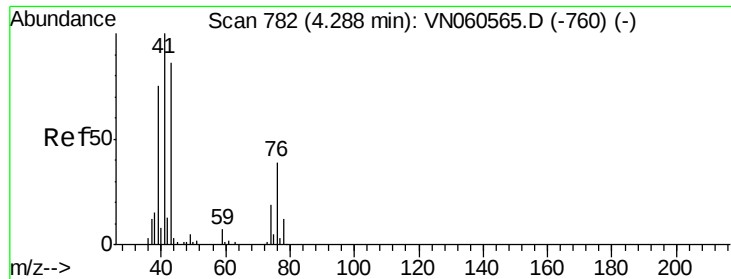
58 27.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

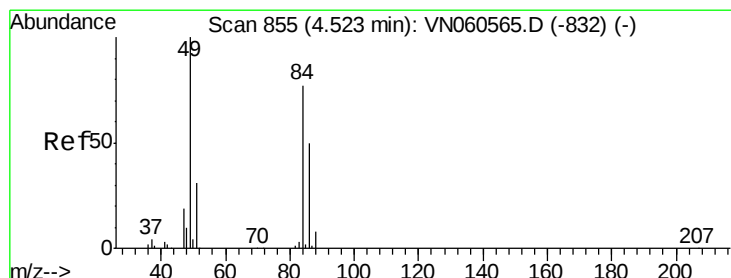
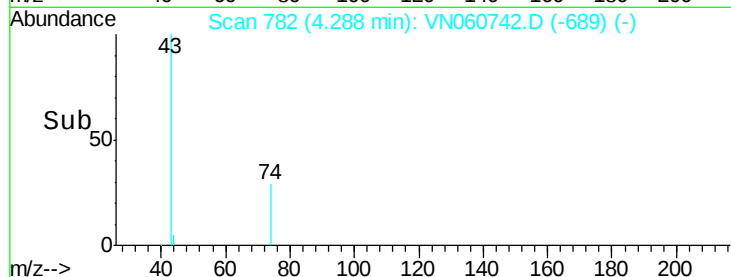
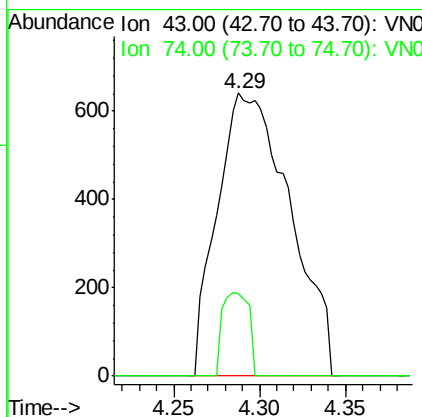
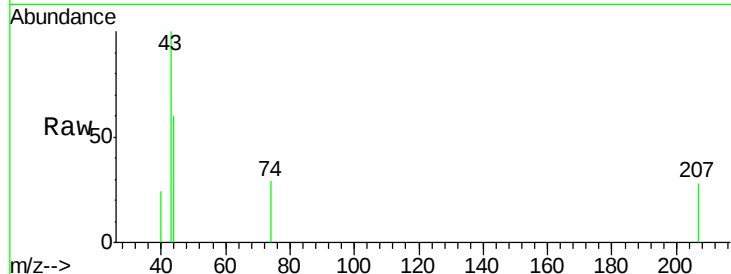




#18
Methyl Acetate
Concen: 0.699 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060742.D
Acq: 27 Mar 2020 15:16

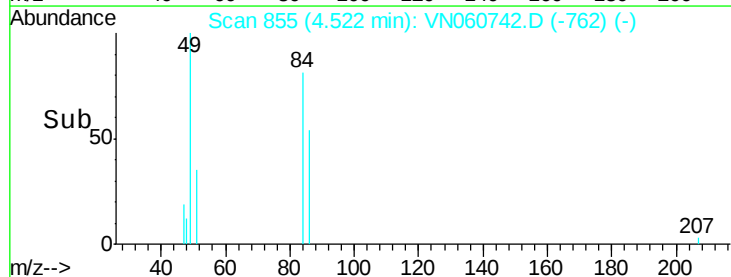
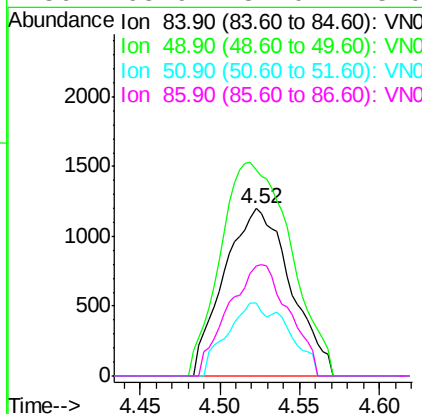
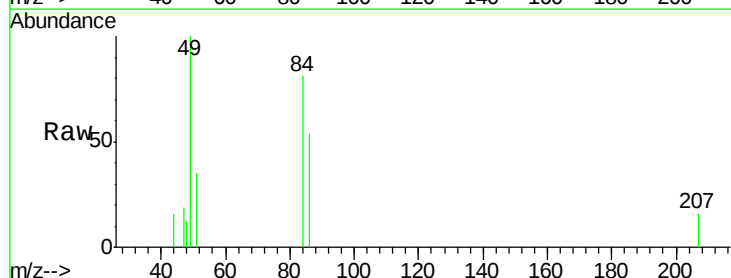
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#07

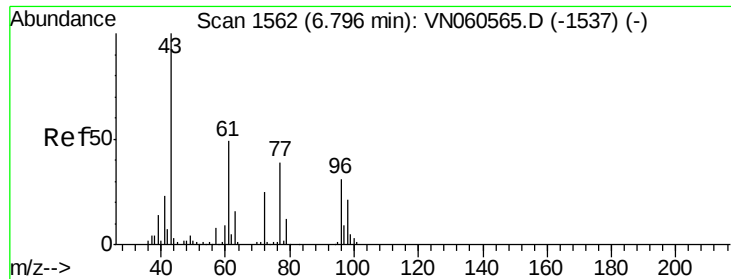
Tgt Ion: 43 Resp: 1888
Ion Ratio Lower Upper
43 100
74 10.6 17.5 26.3#



#20
Methylene Chloride
Concen: 1.454 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060742.D
Acq: 27 Mar 2020 15:16

Tgt Ion: 84 Resp: 3432
Ion Ratio Lower Upper
84 100
49 123.0 103.3 154.9
51 43.4 31.6 47.4
86 65.9 52.0 78.0





#25

2-Butanone

Concen: 0.331 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.02 min

Lab File: VN060742.D

Acq: 27 Mar 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

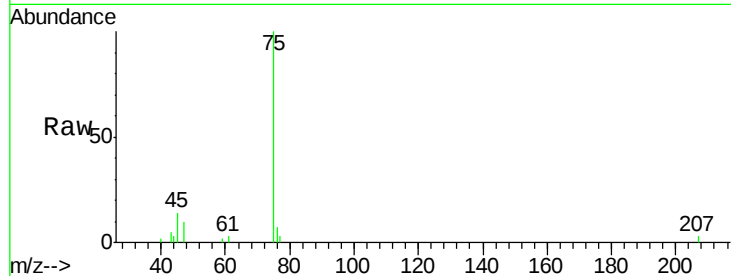
PB127814ZHE#07

Tgt Ion: 43 Resp: 514

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

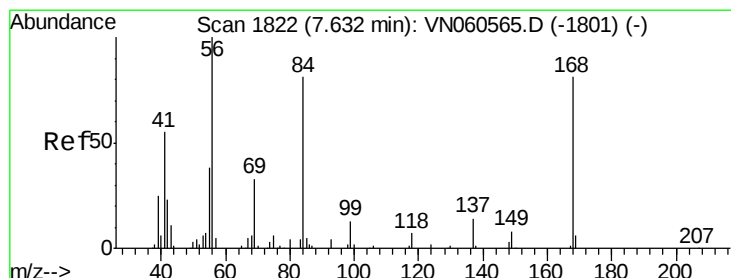
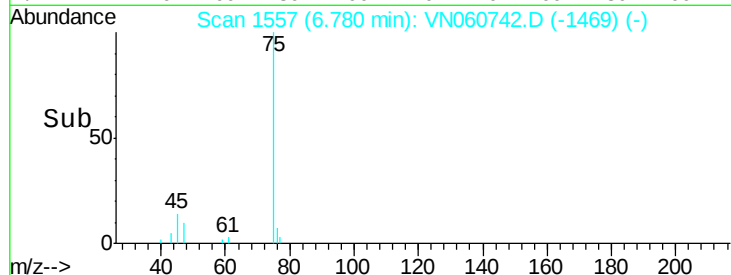
300

200

100

0

Time--> 6.74 6.76 6.78 6.80



#31

Cyclohexane

Concen: 0.928 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060742.D

Acq: 27 Mar 2020 15:16

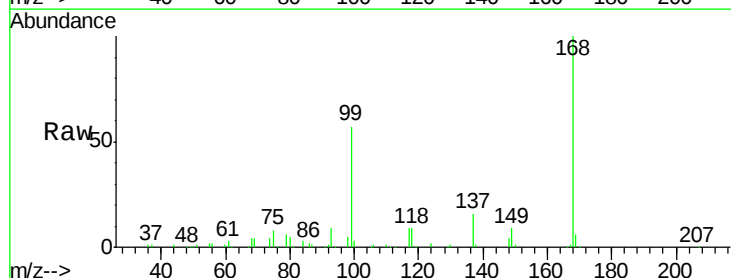
Tgt Ion: 56 Resp: 4047

Ion Ratio Lower Upper

56 100

69 171.0 26.6 40.0#

84 145.2 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

4000

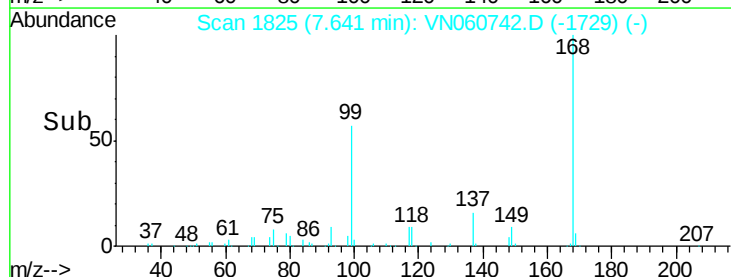
3000

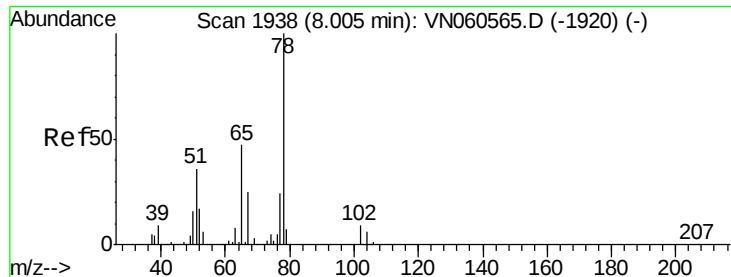
2000

1000

0

Time--> 7.60 7.65 7.70

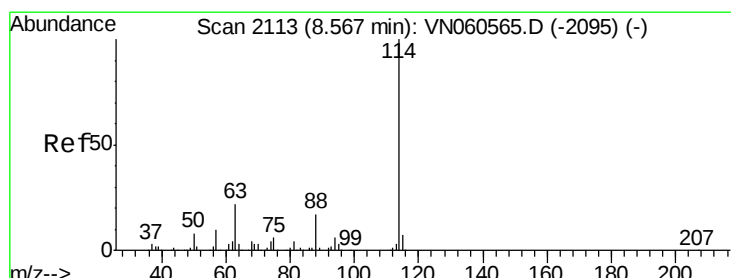
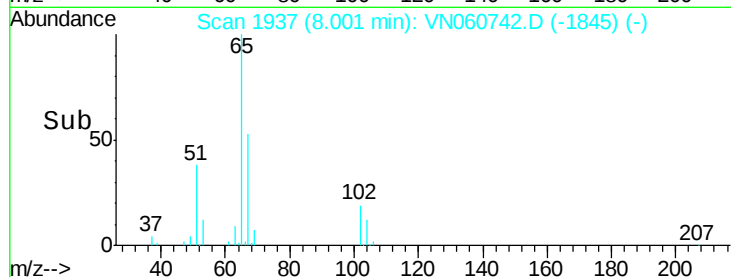
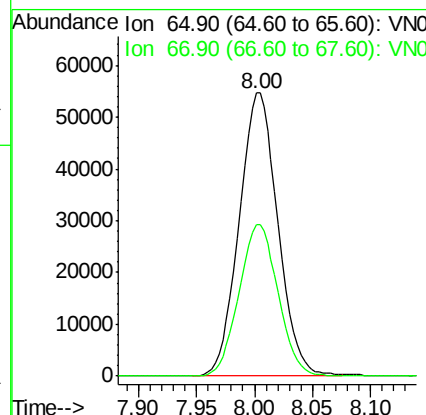
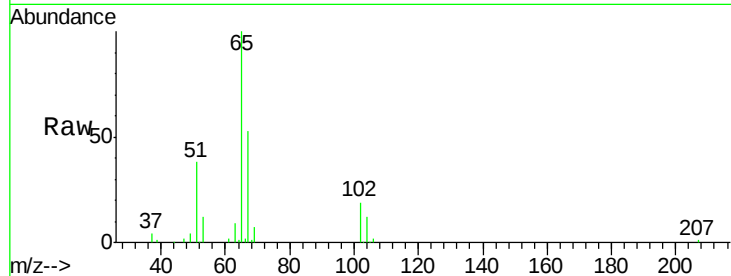




#33
 1,2-Dichloroethane-d4
 Concen: 46.830 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060742.D
 Acq: 27 Mar 2020 15:16

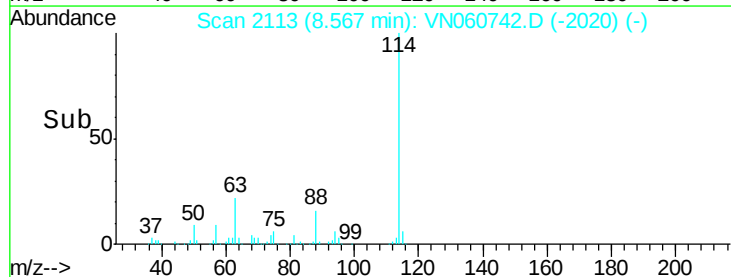
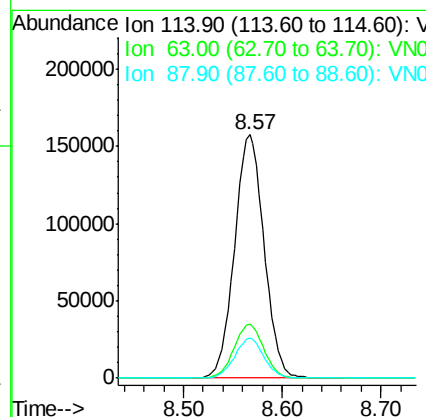
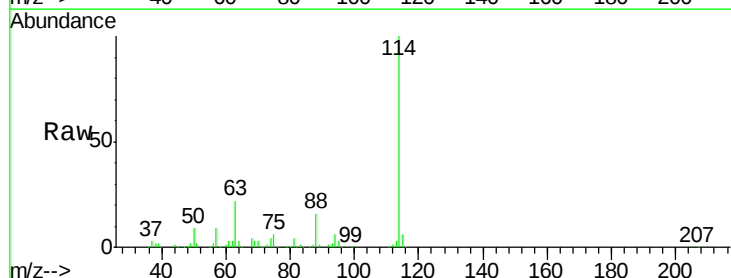
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 ClientSampleId :
 PB127814ZHE#07

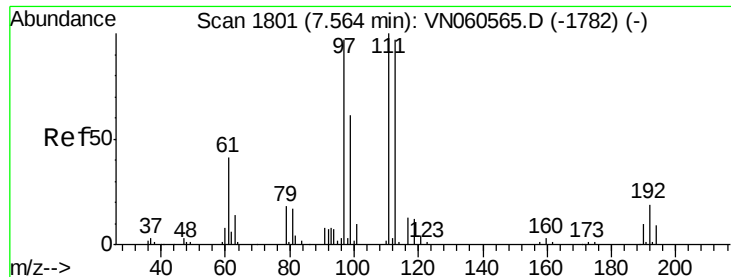
Tgt Ion: 65 Resp: 126867
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060742.D
 Acq: 27 Mar 2020 15:16

Tgt Ion: 114 Resp: 327901
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.038 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060742.D

Acq: 27 Mar 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#07

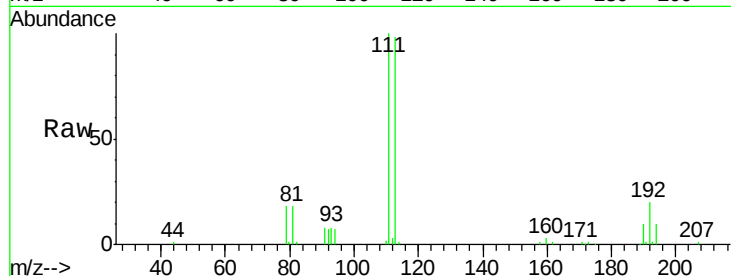
Tgt Ion:113 Resp: 97229

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

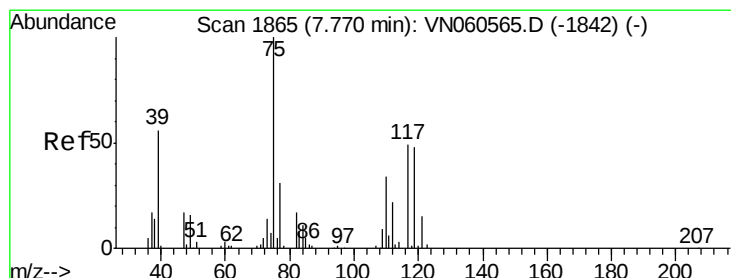
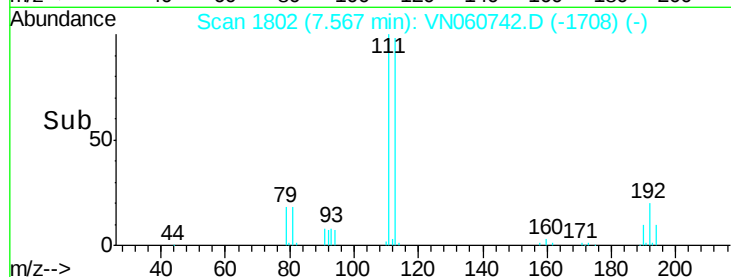
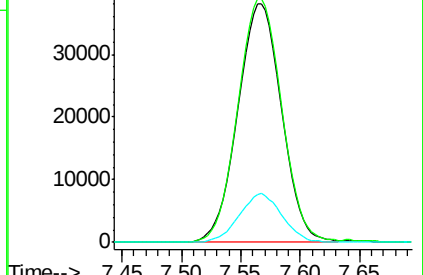
192 19.8 15.8 23.8



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: 4.903 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060742.D

Acq: 27 Mar 2020 15:16

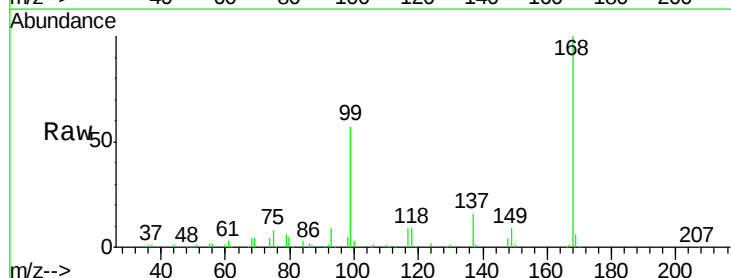
Tgt Ion: 75 Resp: 15567

Ion Ratio Lower Upper

75 100

110 7.4 16.9 50.6#

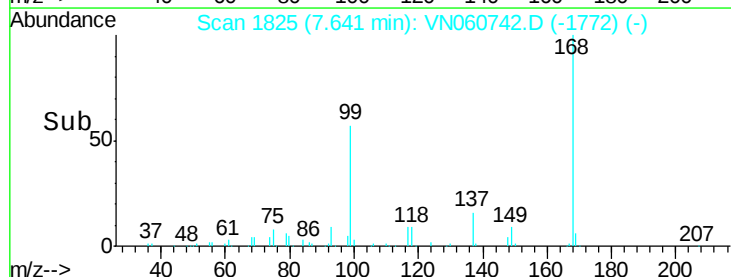
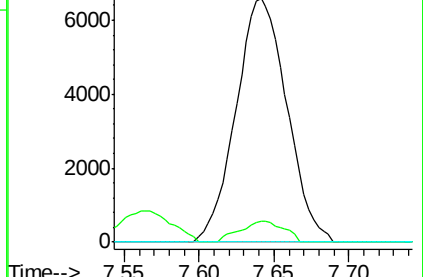
77 0.0 24.6 36.8#

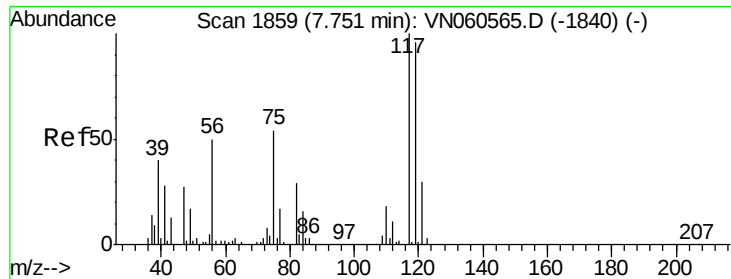


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

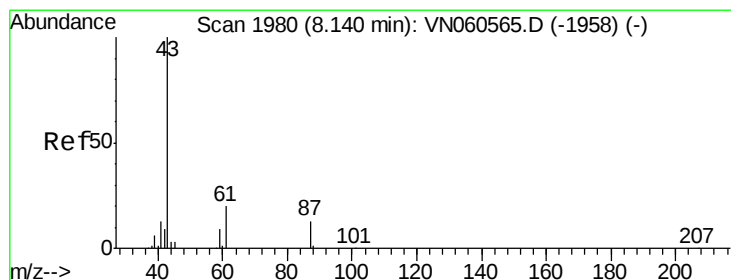
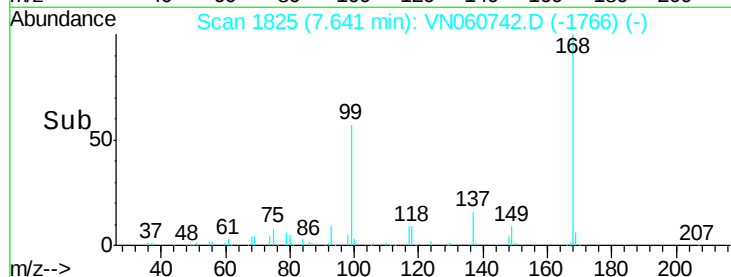
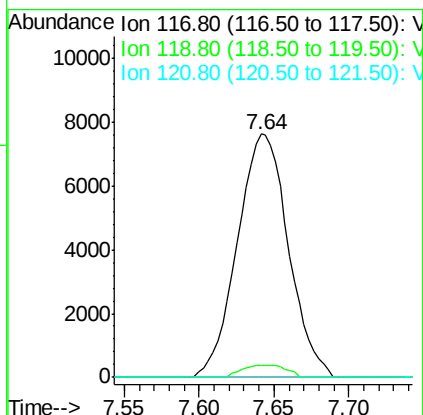
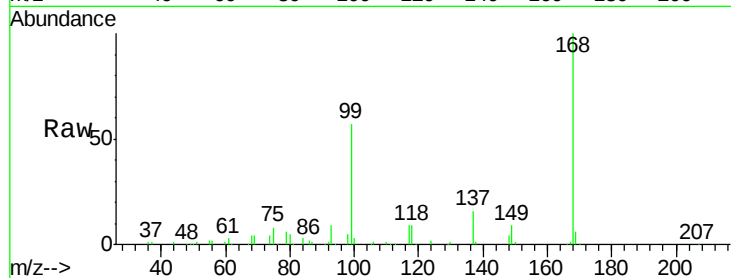




#38
Carbon Tetrachloride
Concen: 6.359 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060742.D
Acq: 27 Mar 2020 15:16

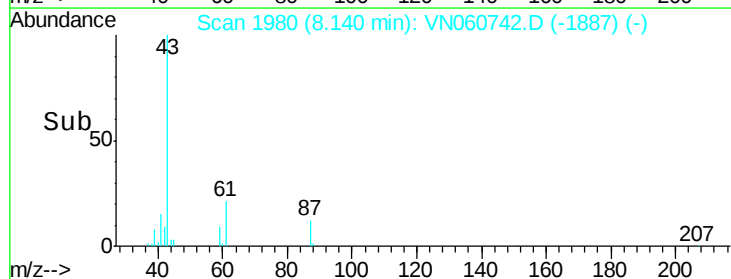
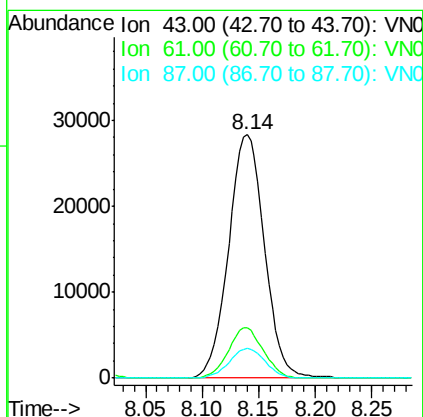
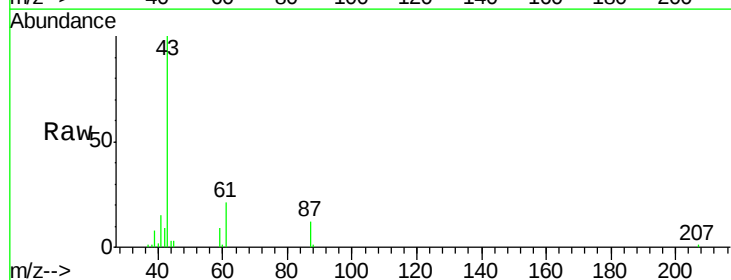
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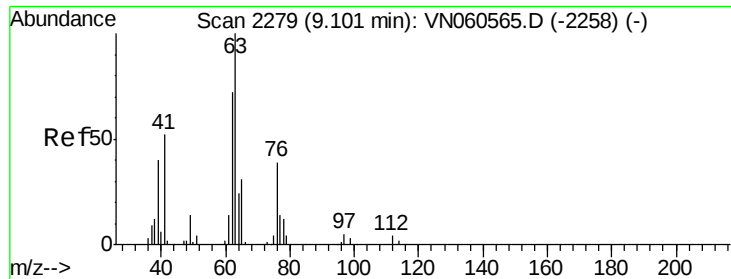
Tgt Ion: 117 Resp: 18096
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 11.053 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060742.D
Acq: 27 Mar 2020 15:16

Tgt Ion: 43 Resp: 62538
Ion Ratio Lower Upper
43 100
61 20.1 20.7 31.1#
87 12.1 9.8 14.8

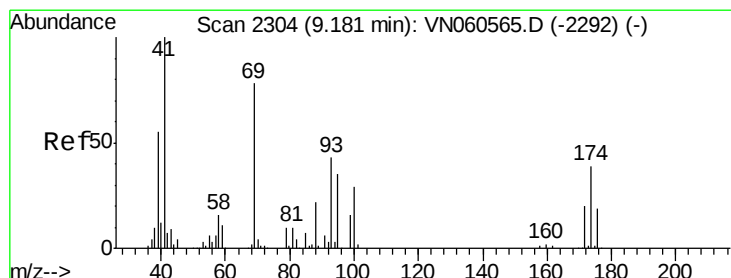
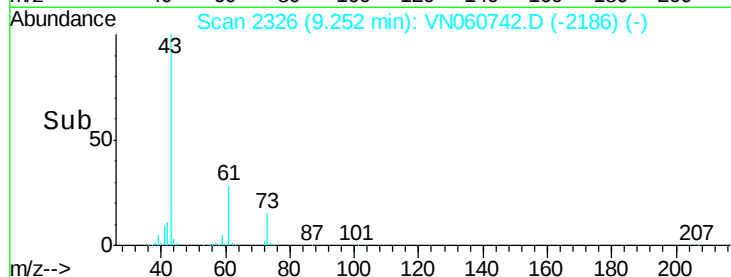
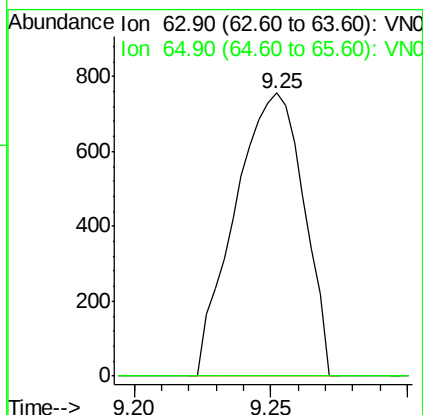
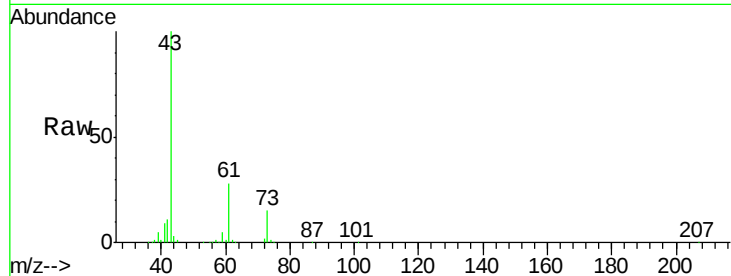




#45
 1,2-Dichloropropane
 Concen: 0.522 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060742.D
 Acq: 27 Mar 2020 15:16

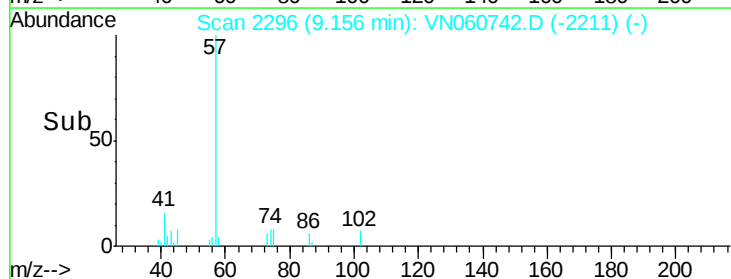
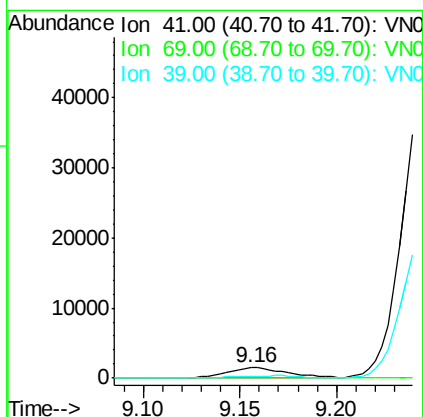
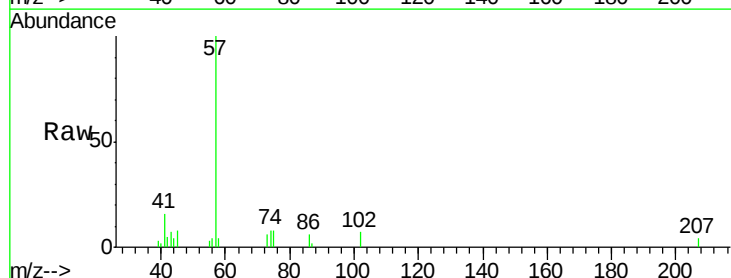
Instrument :
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 ClientSampleId :
 PB127814ZHE#07

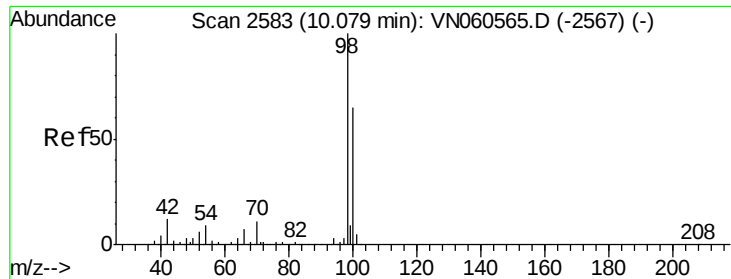
Tgt Ion: 63 Resp: 1320
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.239 ug/l
 RT: 9.16 min Scan# 2296
 Delta R.T. -0.03 min
 Lab File: VN060742.D
 Acq: 27 Mar 2020 15:16

Tgt Ion: 41 Resp: 3120
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.350 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060742.D

Acq: 27 Mar 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

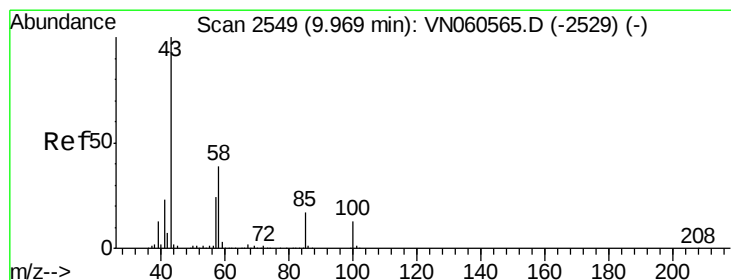
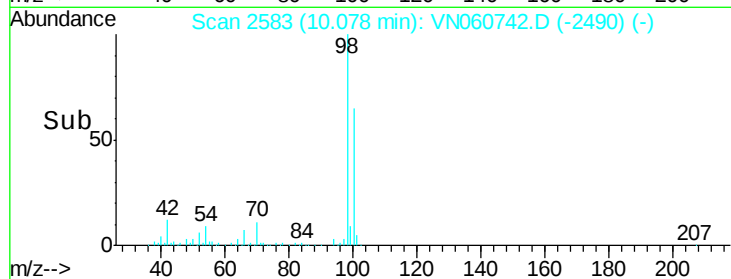
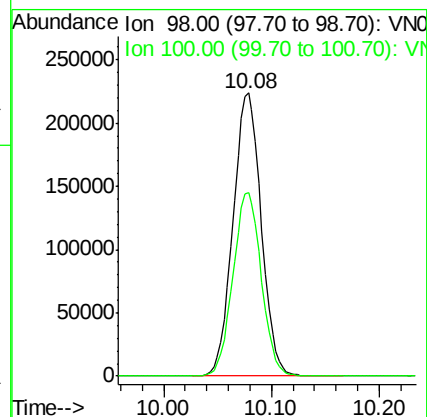
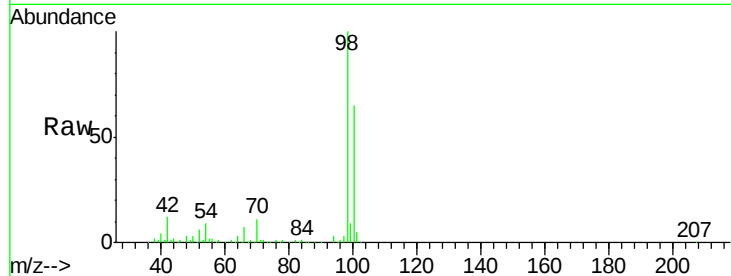
PB127814ZHE#07

Tgt Ion: 98 Resp: 407761

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.435 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060742.D

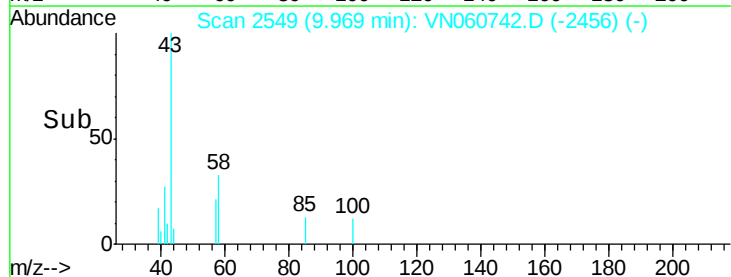
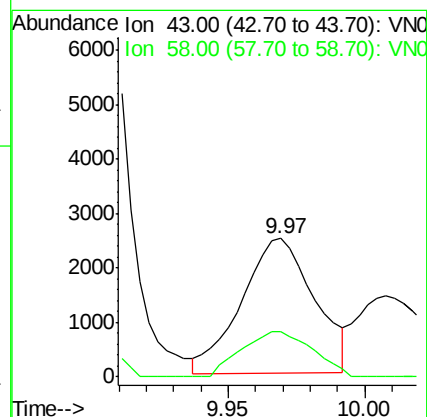
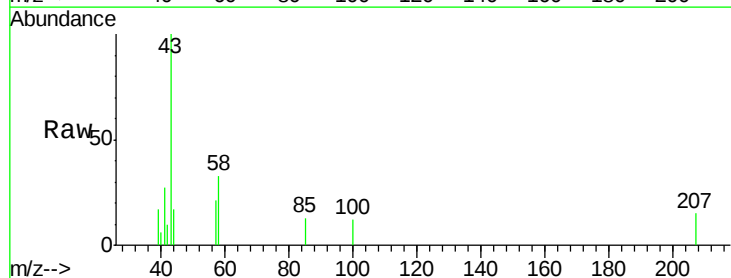
Acq: 27 Mar 2020 15:16

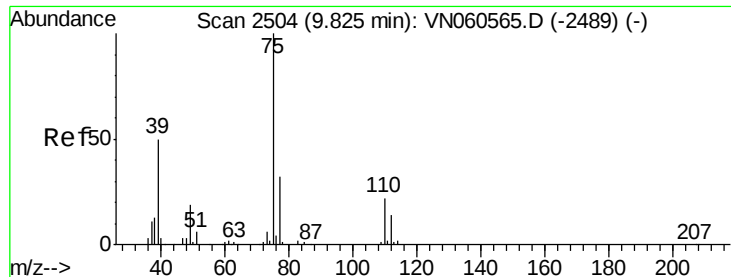
Tgt Ion: 43 Resp: 4620

Ion Ratio Lower Upper

43 100

58 32.4 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.693 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060742.D

Acq: 27 Mar 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#07

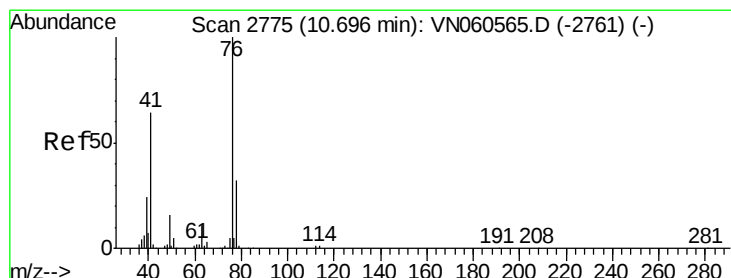
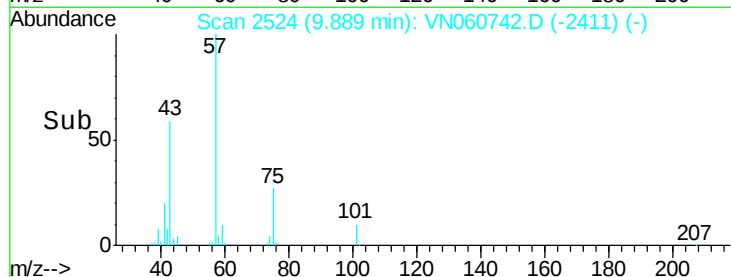
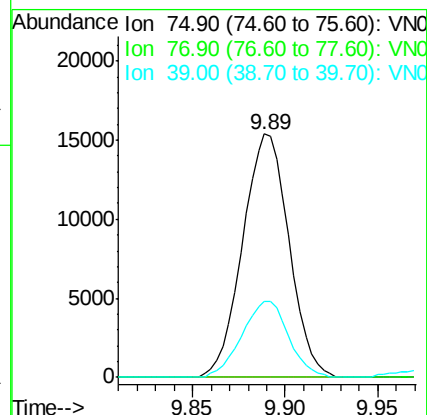
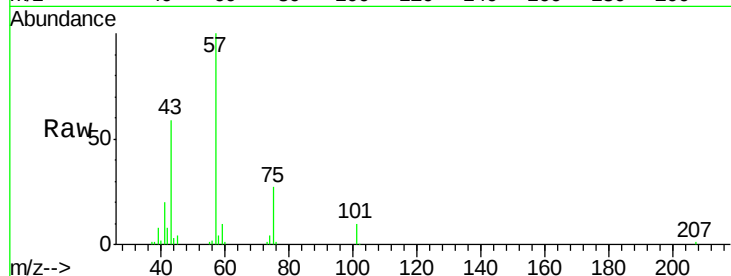
Tgt Ion: 75 Resp: 26800

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 31.0 40.2 60.4#



#57

1,3-Dichloropropane

Concen: 1.123 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060742.D

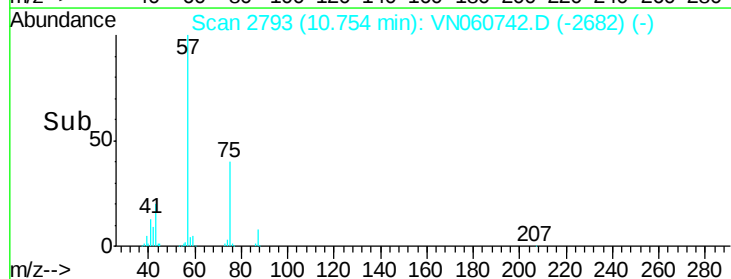
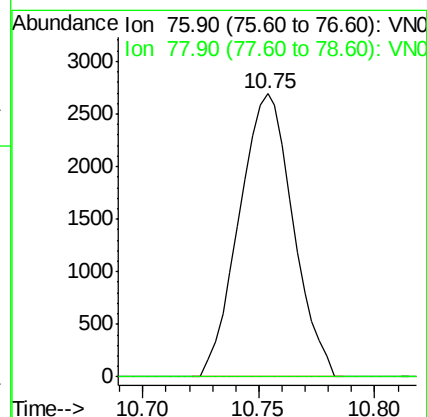
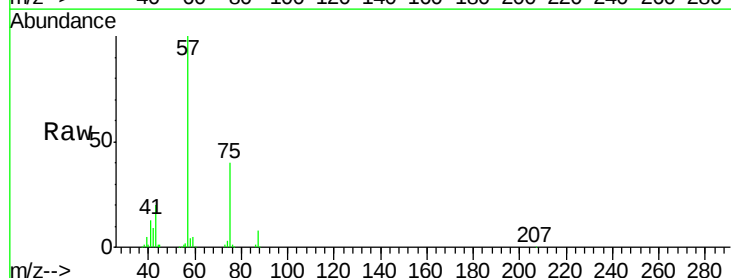
Acq: 27 Mar 2020 15:16

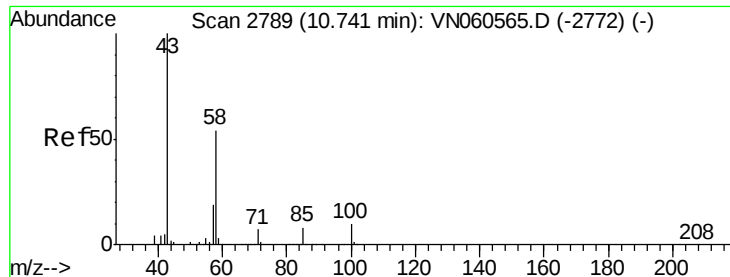
Tgt Ion: 76 Resp: 4339

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

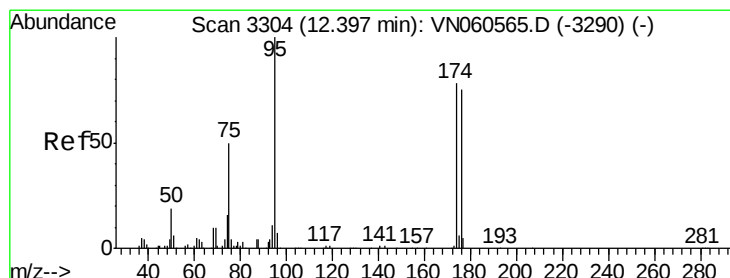
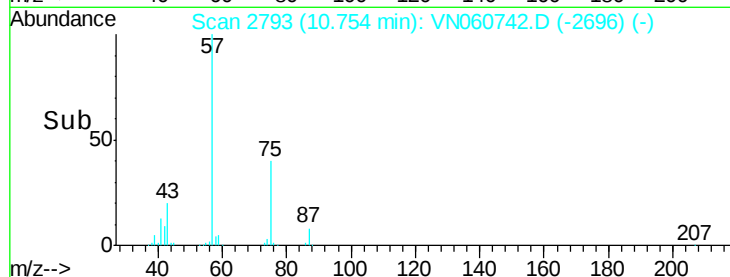
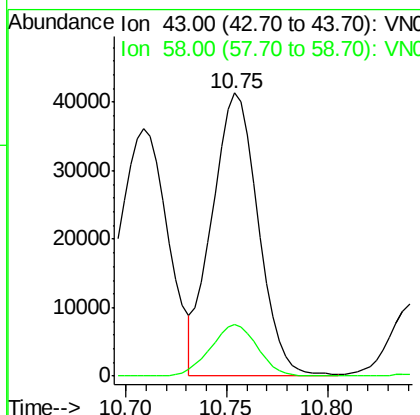
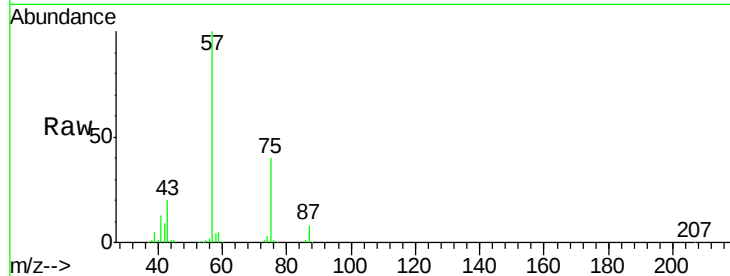




#59
2-Hexanone
Concen: 28.236 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060742.D
Acq: 27 Mar 2020 15:16

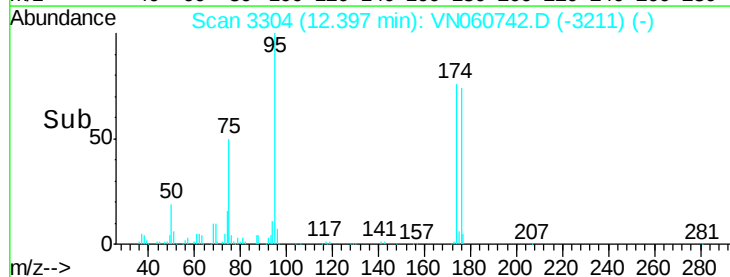
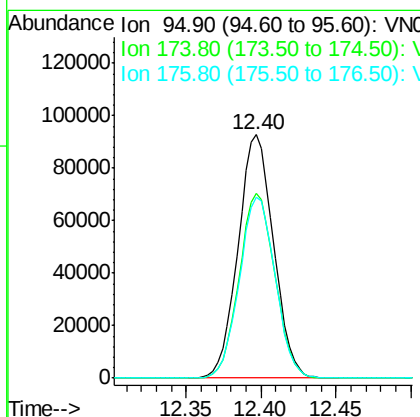
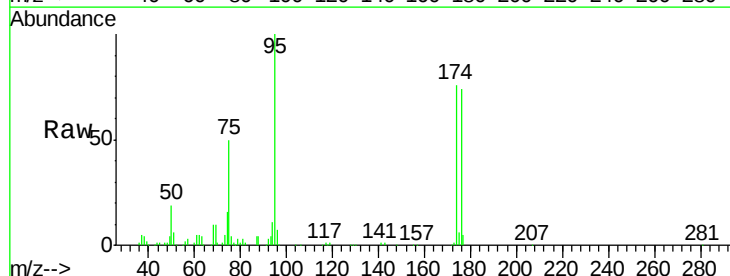
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#07

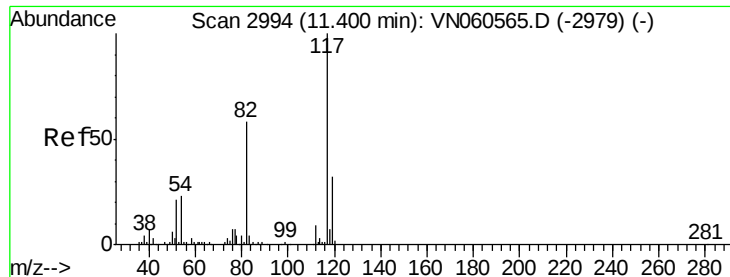
Tgt Ion: 43 Resp: 65488
Ion Ratio Lower Upper
43 100
58 18.7 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.591 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060742.D
Acq: 27 Mar 2020 15:16

Tgt Ion: 95 Resp: 153125
Ion Ratio Lower Upper
95 100
174 76.5 0.0 157.6
176 75.1 0.0 150.6

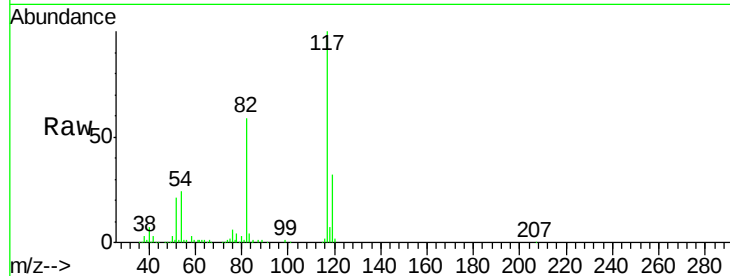




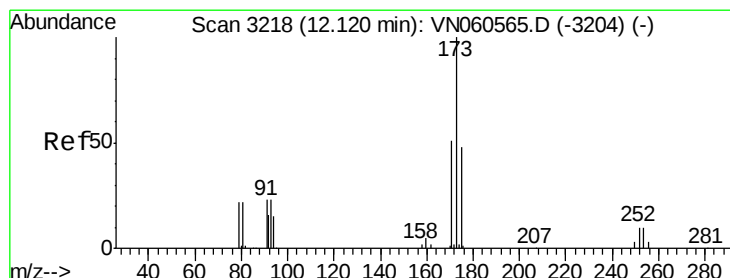
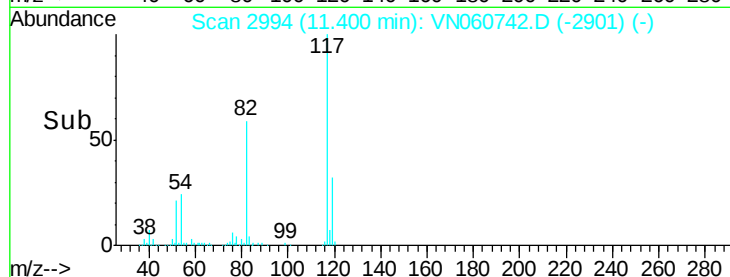
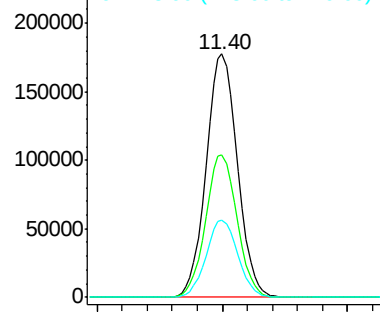
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060742.D
Acq: 27 Mar 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#07

Tgt Ion:117 Resp: 306889
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 31.9 25.5 38.3

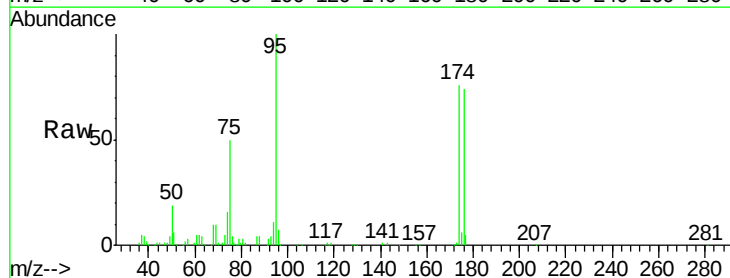


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

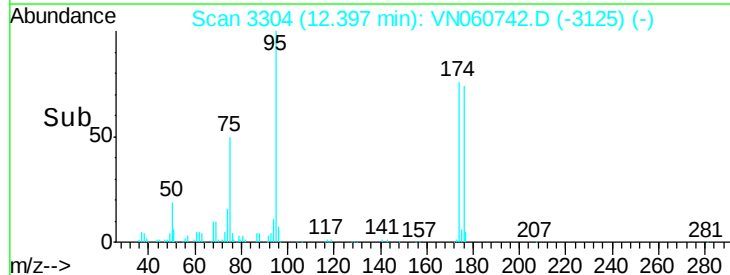
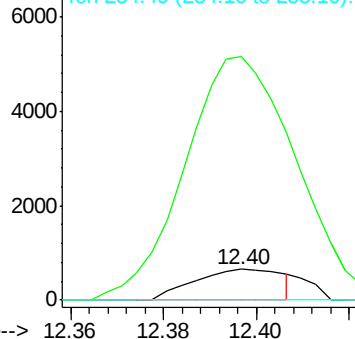


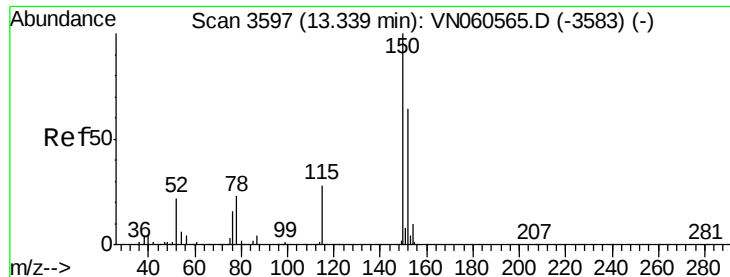
#71
Bromoform
Concen: 2.142 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060742.D
Acq: 27 Mar 2020 15:16

Tgt Ion:173 Resp: 874
Ion Ratio Lower Upper
173 100
175 828.8 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: VN060742.D

Acq: 27 Mar 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#07

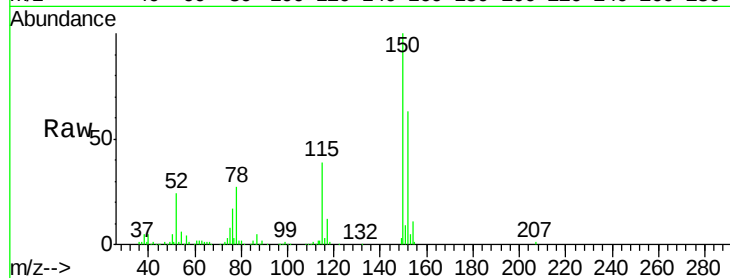
Tgt Ion:152 Resp: 138896

Ion Ratio Lower Upper

152 100

115 60.5 30.2 90.6

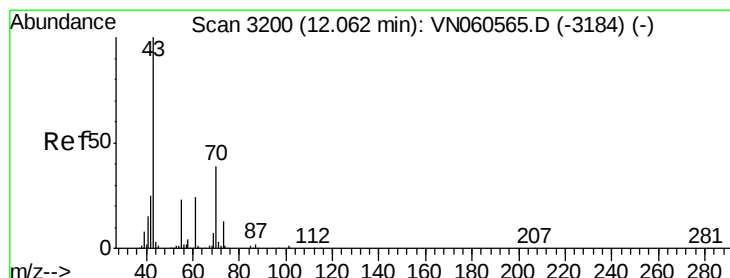
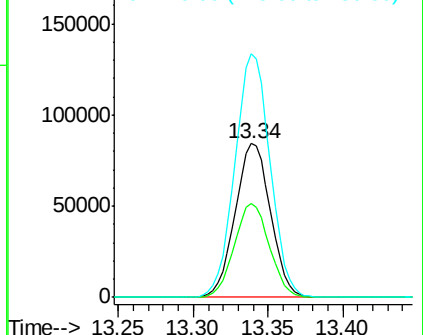
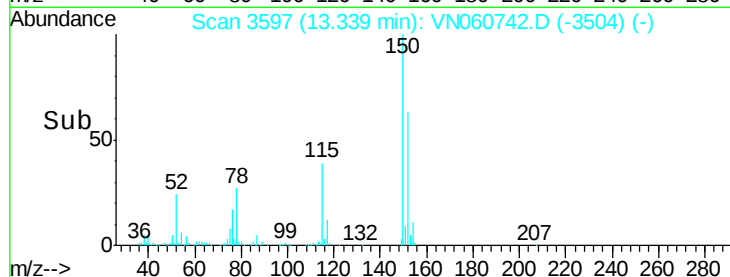
150 157.3 0.0 350.2



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: 0.655 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060742.D

Acq: 27 Mar 2020 15:16

Tgt Ion: 43 Resp: 3154

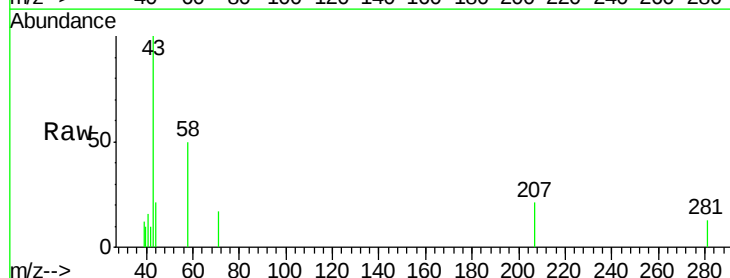
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

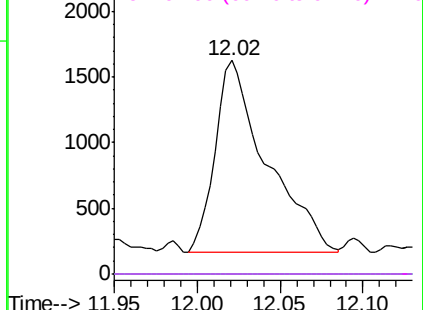
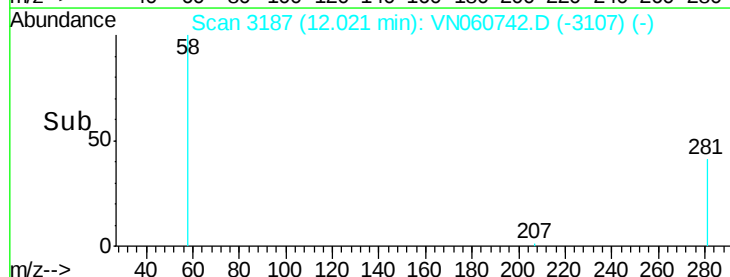


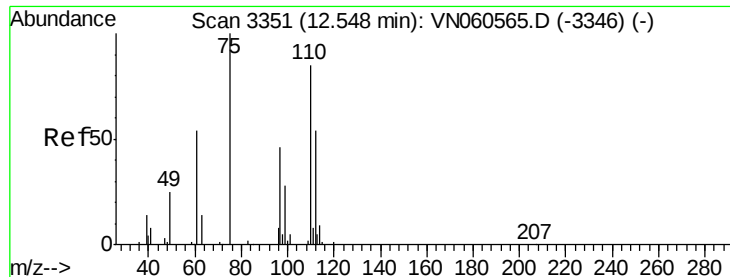
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.431 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060742.D

Acq: 27 Mar 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

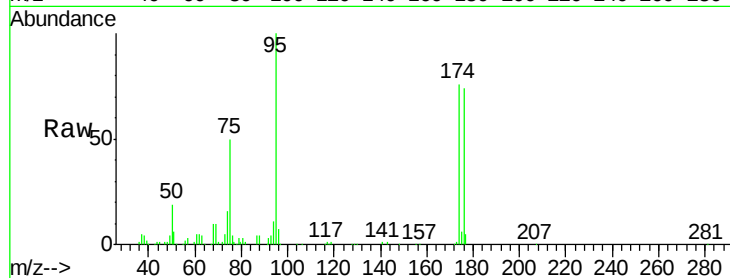
PB127814ZHE#07

Tgt Ion: 75 Resp: 76219

Ion Ratio Lower Upper

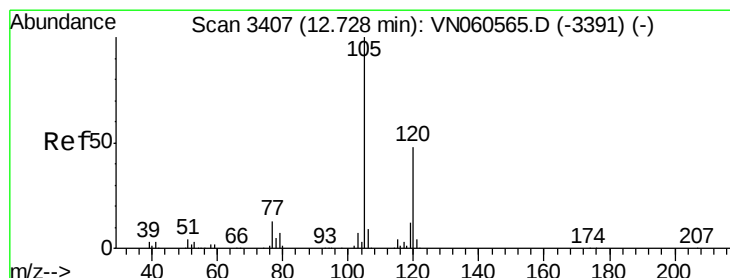
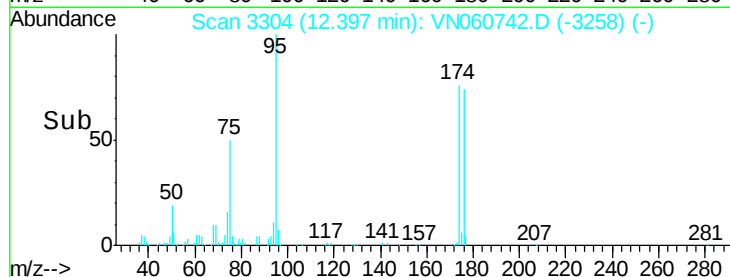
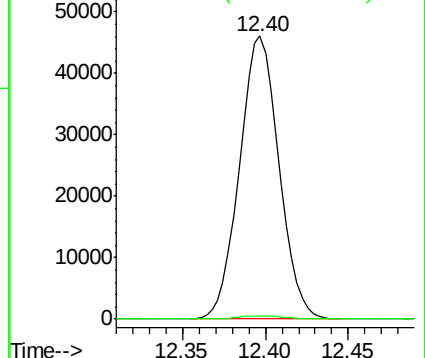
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060742.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060742.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.790 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060742.D

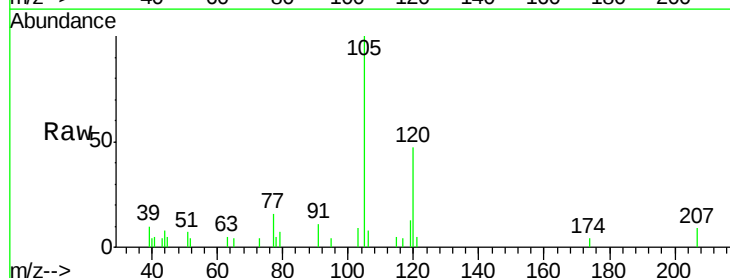
Acq: 27 Mar 2020 15:16

Tgt Ion: 105 Resp: 6984

Ion Ratio Lower Upper

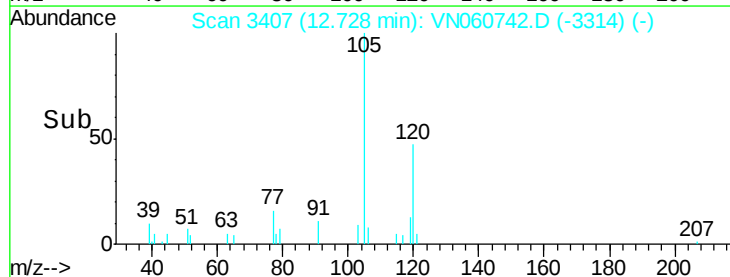
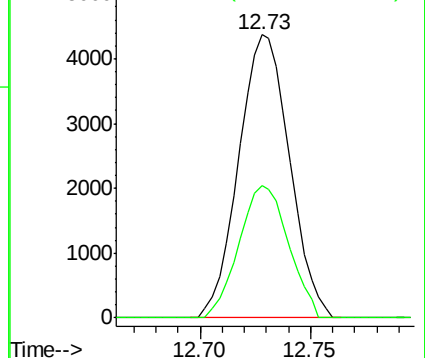
105 100

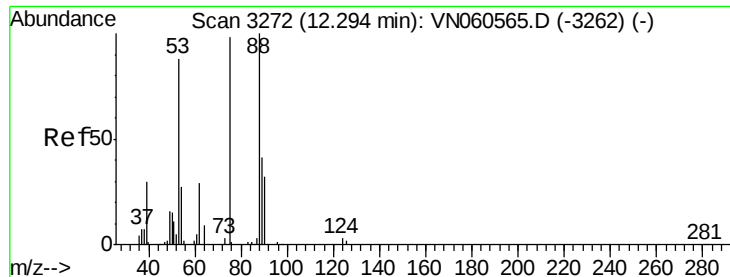
120 45.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060742.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060742.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 65.314 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060742.D

Acq: 27 Mar 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#07

Tgt Ion: 75 Resp: 76219

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

