

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060740.D
 Acq On : 27 Mar 2020 14:30
 Operator : JC/MD
 Sample : PB127814ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#05

Quant Time: Mar 28 01:59:27 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	348197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	329067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133904	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
35) Dibromofluoromethane	7.56	113	103474	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.08	98	432576	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	160809	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	

Target Compounds

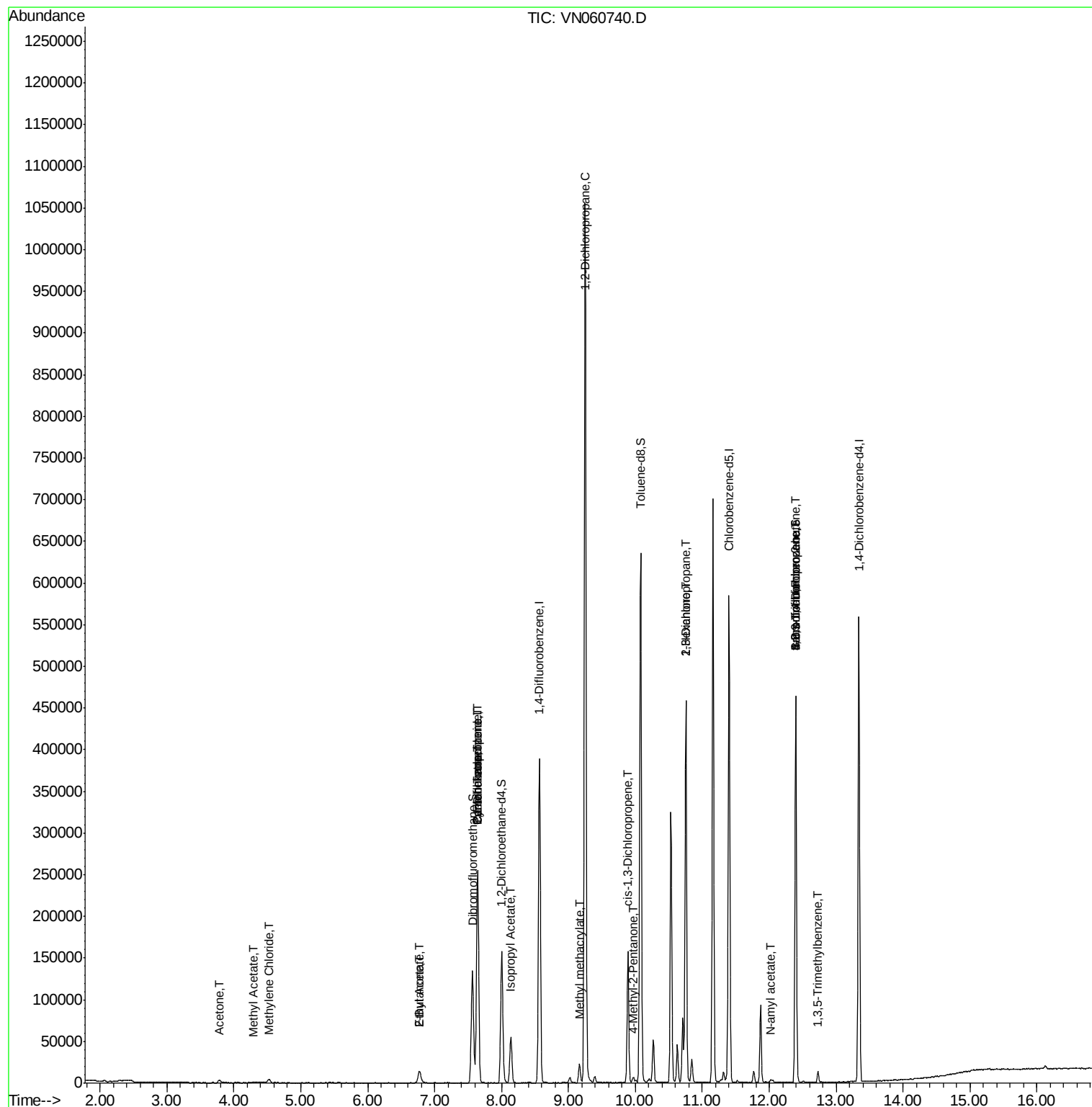
					Qvalue	
16) Acetone	3.79	43	5771	5.707	ug/l	96
18) Methyl Acetate	4.30	43	1933	0.679	ug/l #	60
20) Methylene Chloride	4.53	84	3137	1.261	ug/l	92
25) 2-Butanone	6.79	43	988	0.604	ug/l #	50
31) Cyclohexane	7.64	56	4516	0.982	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16176	4.798	ug/l #	50
37) Ethyl Acetate	6.79	43	988	0.271	ug/l #	40
38) Carbon Tetrachloride	7.64	117	20300	6.718	ug/l #	16
43) Isopropyl Acetate	8.14	43	65633	10.924	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	1217	0.453	ug/l #	43
48) Methyl methacrylate	9.16	41	3381	1.264	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4913	1.437	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	28758	6.764	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	4508	1.099	ug/l #	42
59) 2-Hexanone	10.75	43	67306	27.329	ug/l #	52
71) Bromoform	12.40	173	720	2.035	ug/l #	1
74) N-amyl acetate	12.02	43	2482	0.491	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	82141	26.116	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7376	0.795	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	82141	67.075	ug/l #	13

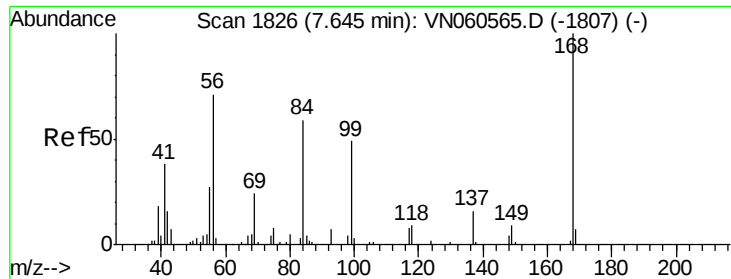
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

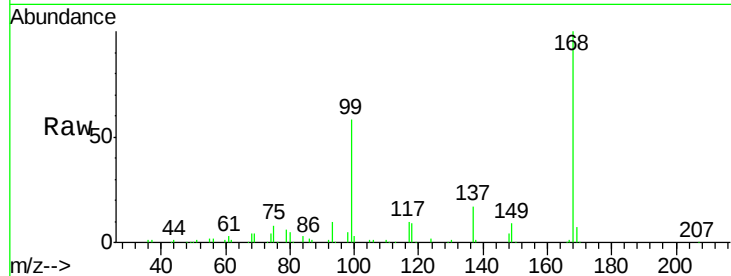
PB127814ZHE#05

Tgt Ion:168 Resp: 207969

Ion Ratio Lower Upper

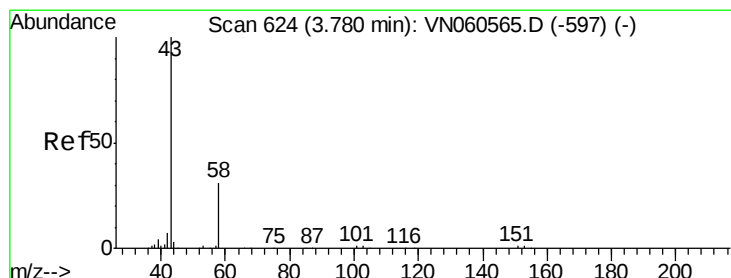
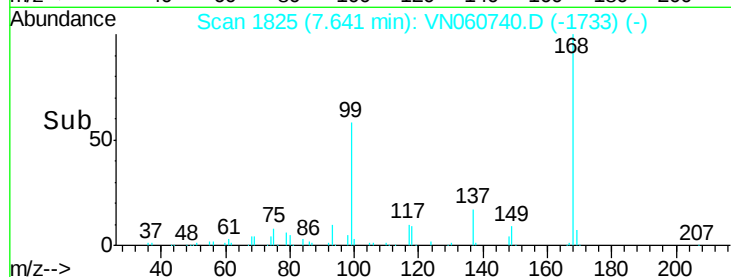
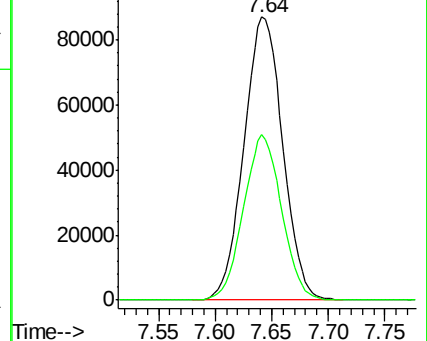
168 100

99 58.4 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: 5.707 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060740.D

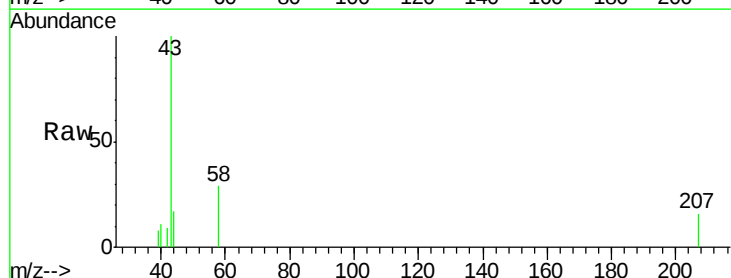
Acq: 27 Mar 2020 14:30

Tgt Ion: 43 Resp: 5771

Ion Ratio Lower Upper

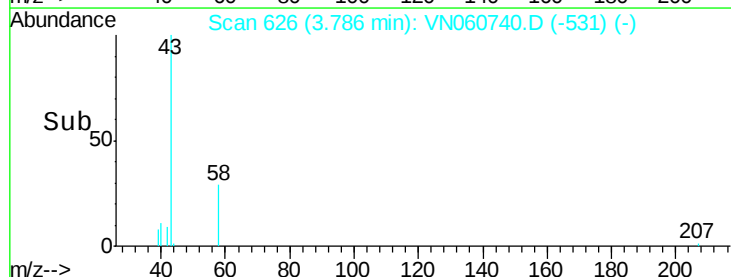
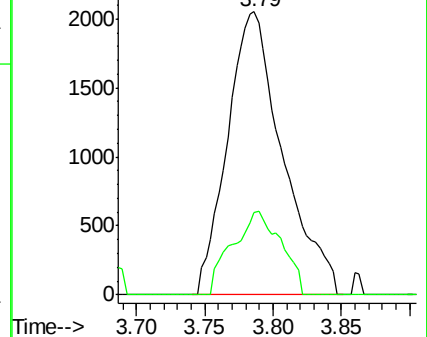
43 100

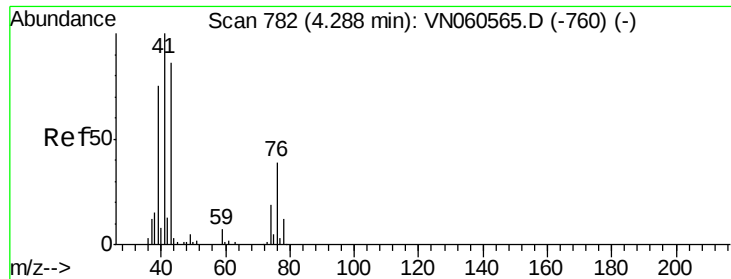
58 29.0 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

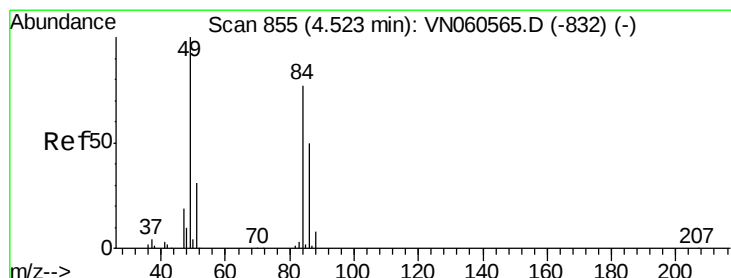
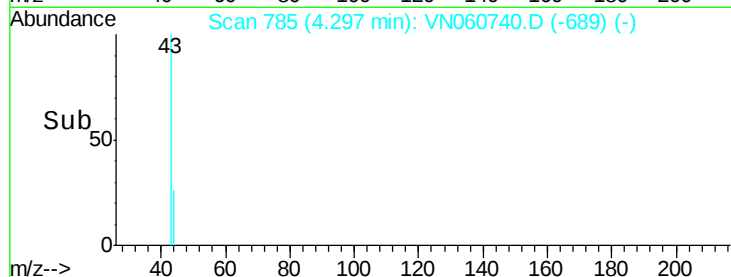
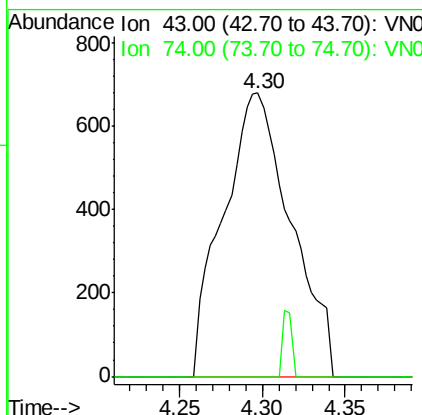
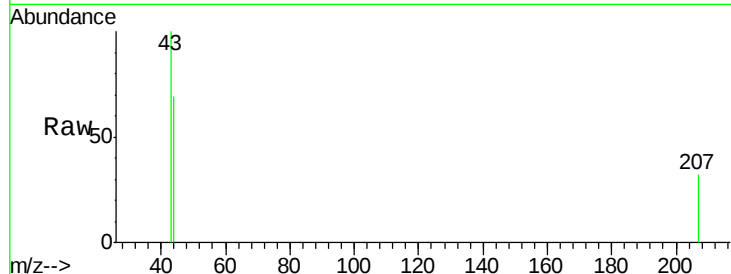




#18
Methyl Acetate
Concen: 0.679 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060740.D
Acq: 27 Mar 2020 14:30

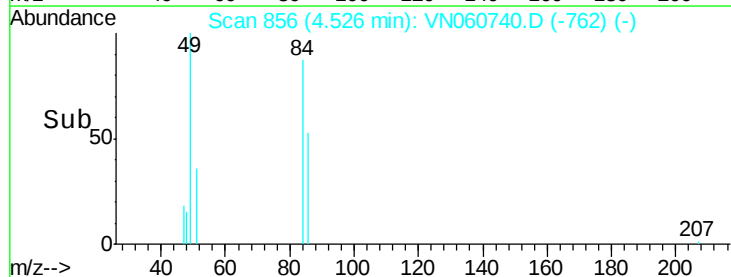
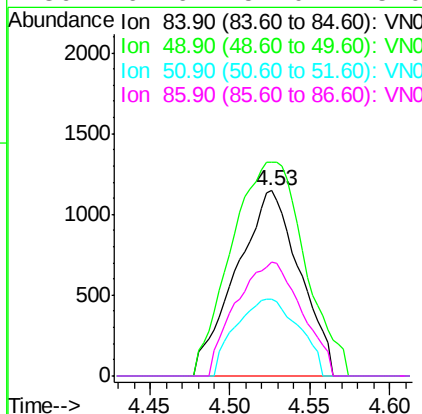
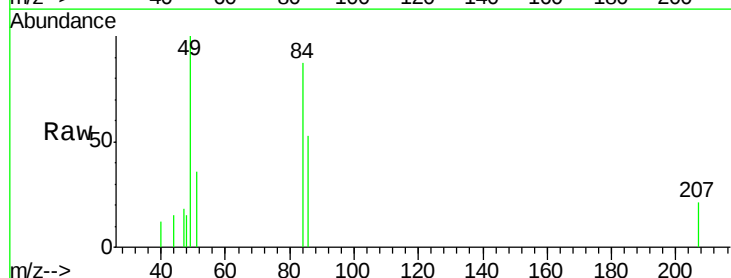
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#05

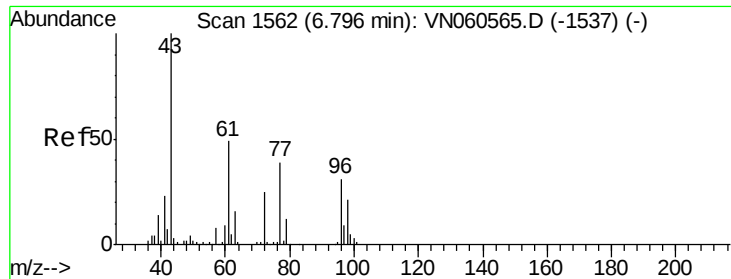
Tgt Ion: 43 Resp: 1933
Ion Ratio Lower Upper
43 100
74 3.1 17.5 26.3#



#20
Methylene Chloride
Concen: 1.261 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060740.D
Acq: 27 Mar 2020 14:30

Tgt Ion: 84 Resp: 3137
Ion Ratio Lower Upper
84 100
49 115.3 103.3 154.9
51 41.2 31.6 47.4
86 61.6 52.0 78.0

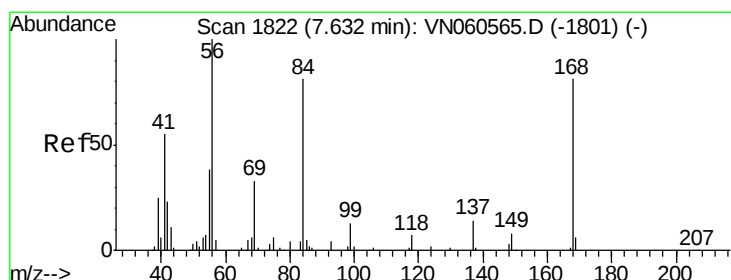
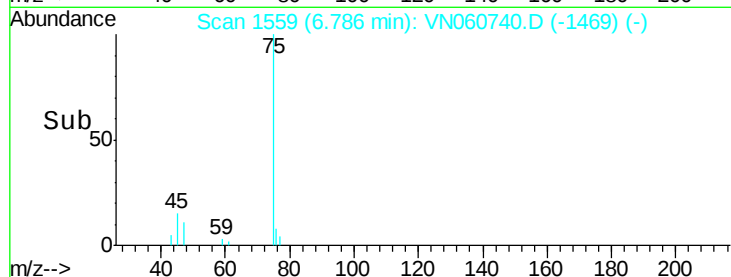
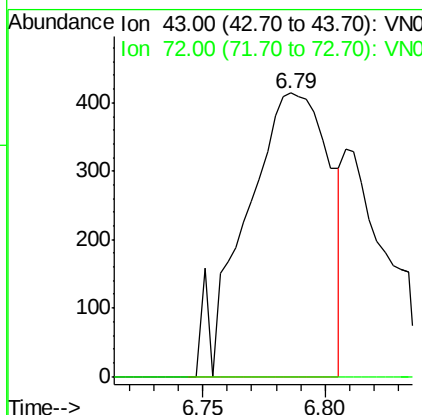
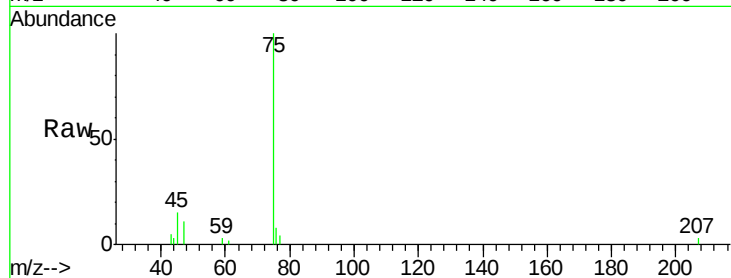




#25
2-Butanone
Concen: 0.604 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VN060740.D
Acq: 27 Mar 2020 14:30

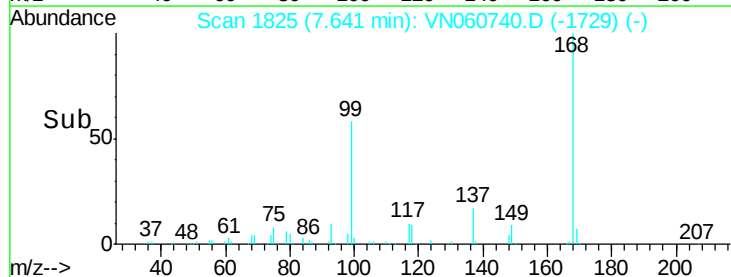
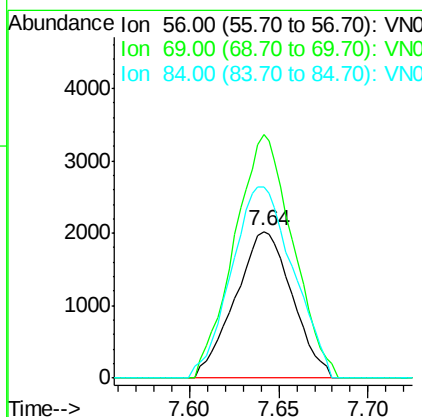
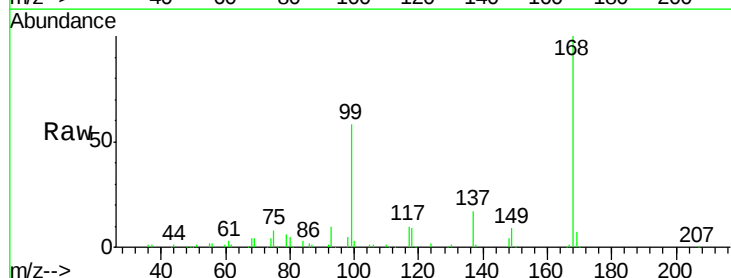
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#05

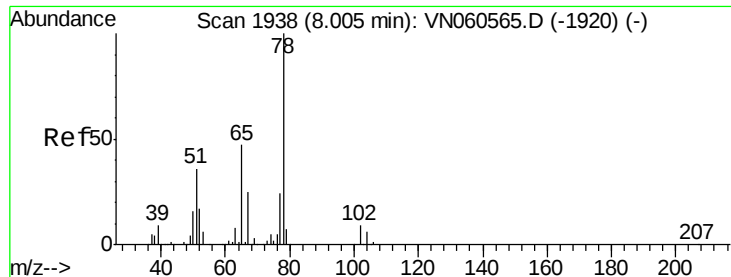
Tgt Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.982 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060740.D
Acq: 27 Mar 2020 14:30

Tgt Ion: 56 Resp: 4516
Ion Ratio Lower Upper
56 100
69 166.4 26.6 40.0#
84 130.2 64.3 96.5#

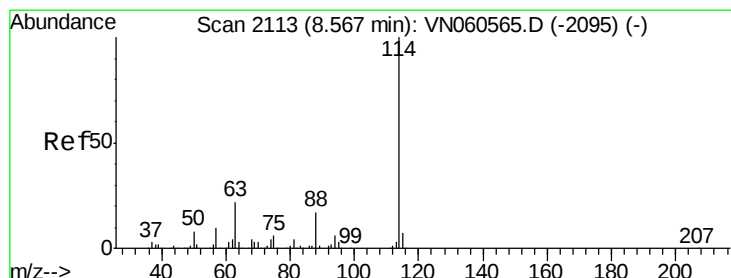
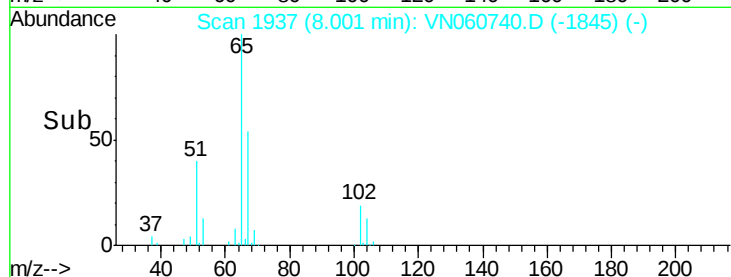
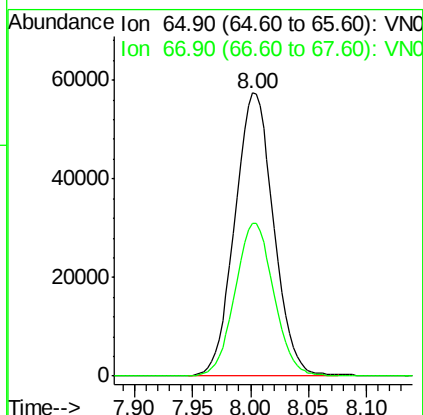
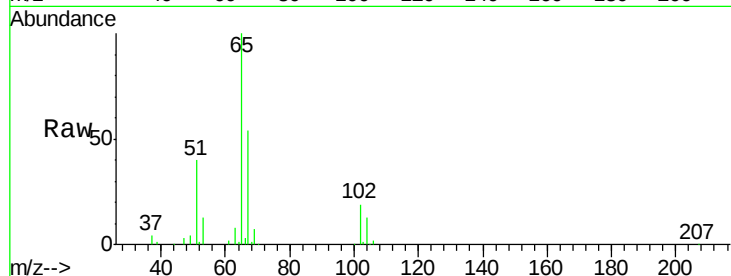




#33
 1,2-Dichloroethane-d4
 Concen: 46.903 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060740.D
 Acq: 27 Mar 2020 14:30

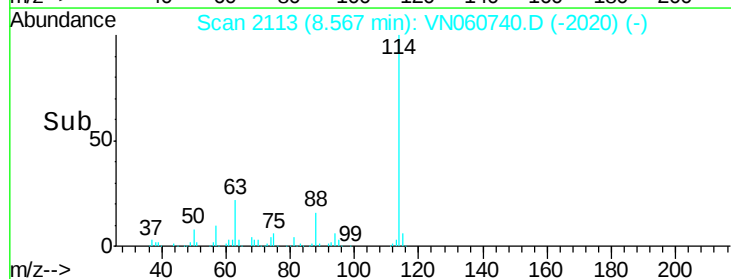
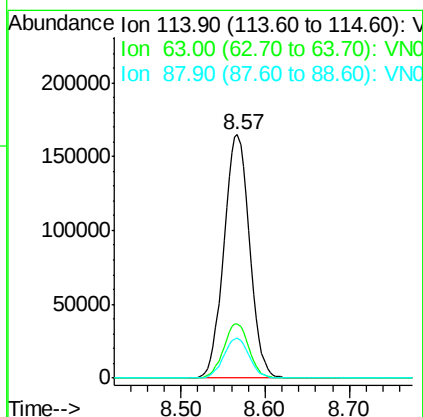
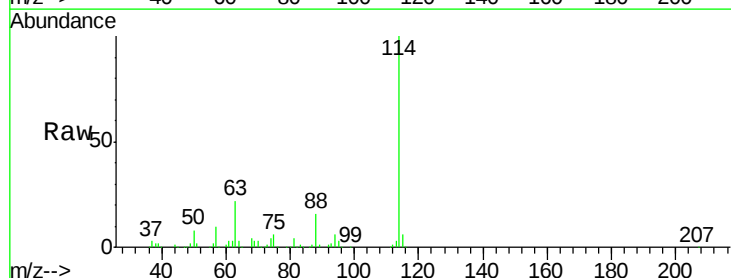
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#05

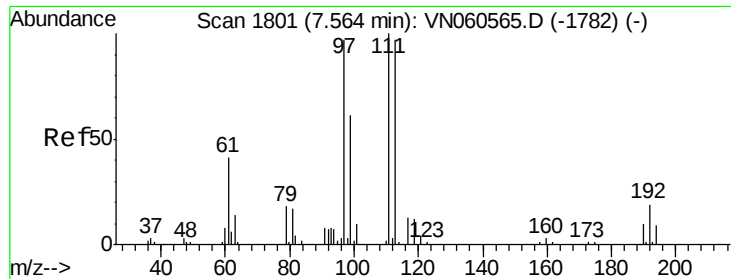
Tgt Ion: 65 Resp: 133904
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060740.D
 Acq: 27 Mar 2020 14:30

Tgt Ion: 114 Resp: 348197
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.146 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#05

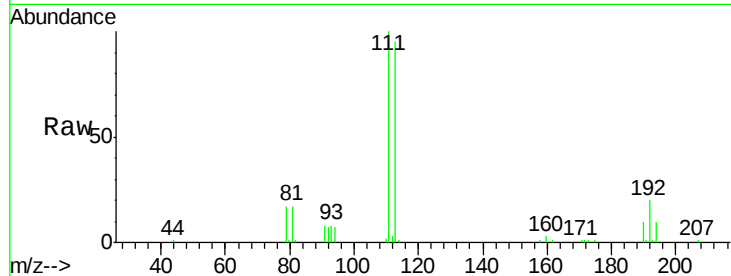
Tgt Ion:113 Resp: 103474

Ion Ratio Lower Upper

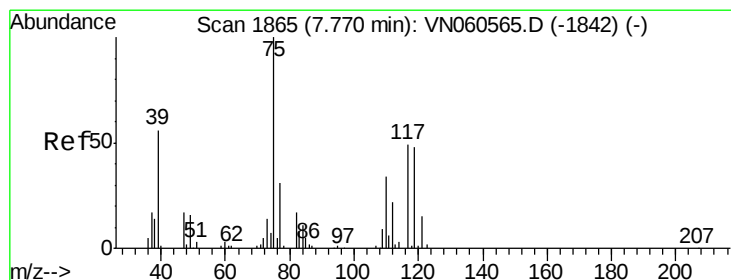
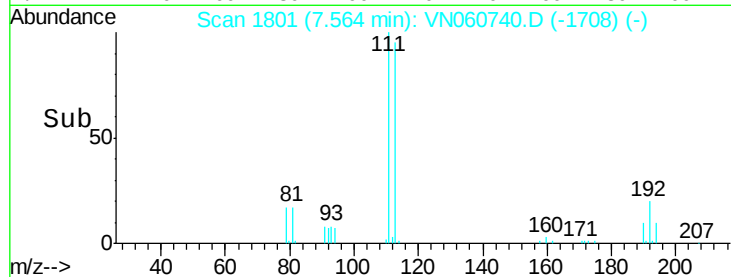
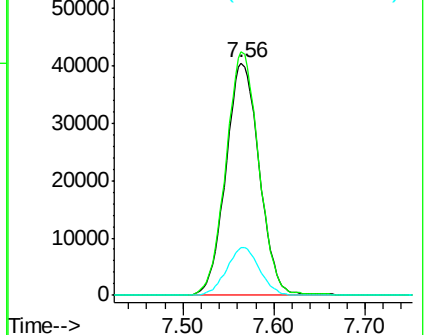
113 100

111 103.0 82.9 124.3

192 20.1 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: 4.798 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

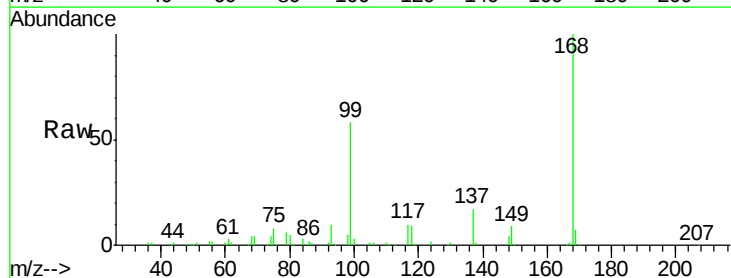
Tgt Ion: 75 Resp: 16176

Ion Ratio Lower Upper

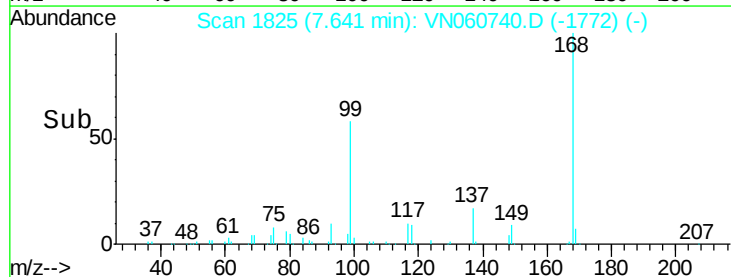
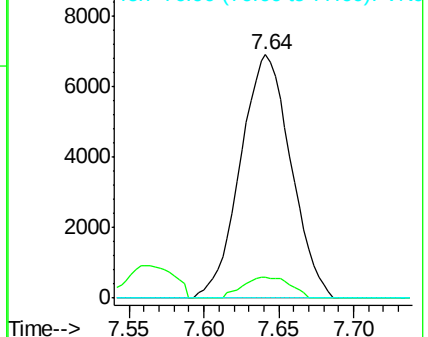
75 100

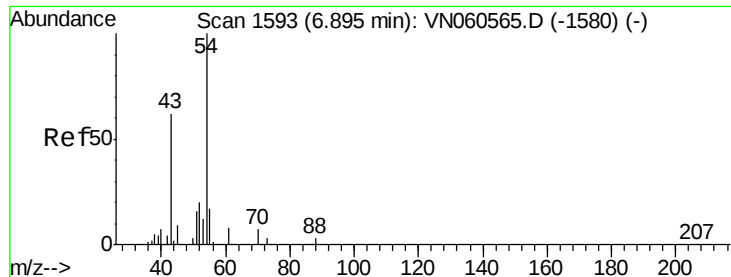
110 8.1 16.9 50.6#

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

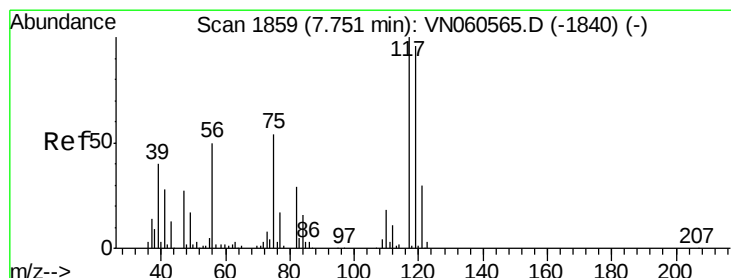
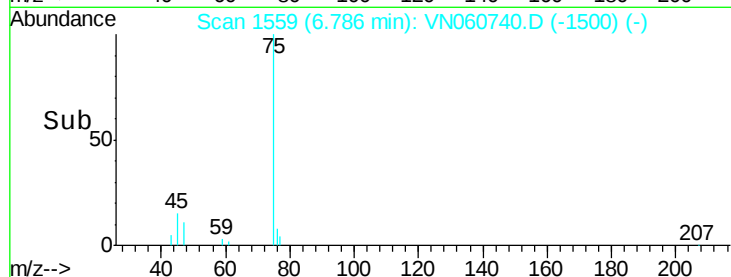
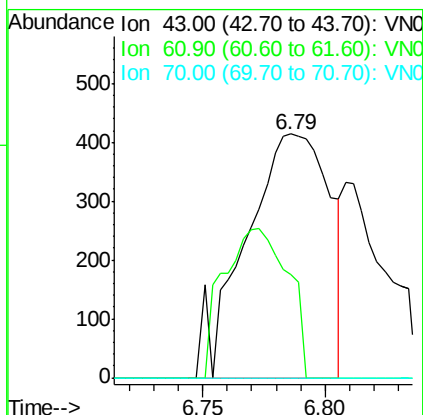
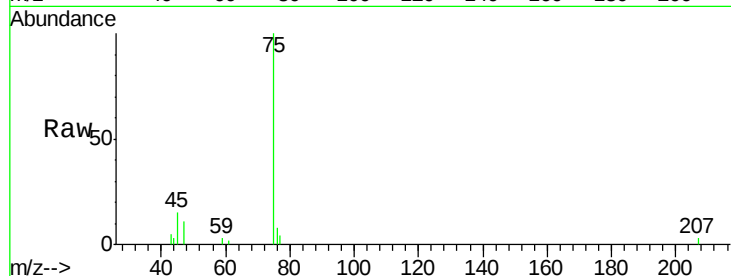




#37
 Ethyl Acetate
 Concen: 0.271 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.11 min
 Lab File: VN060740.D
 Acq: 27 Mar 2020 14:30

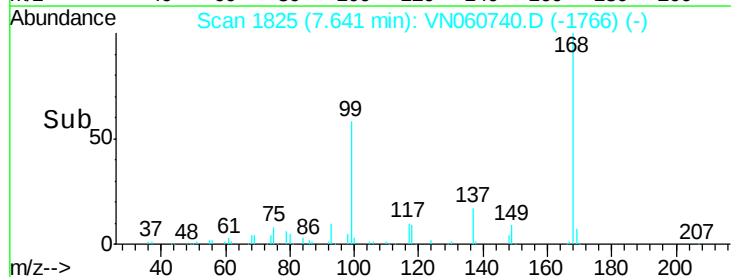
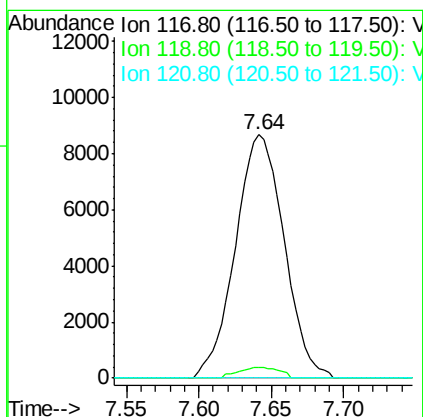
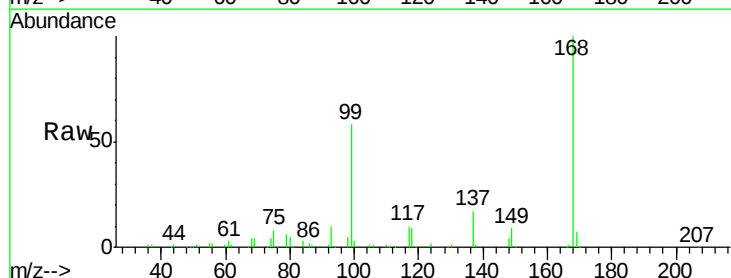
Instrument :
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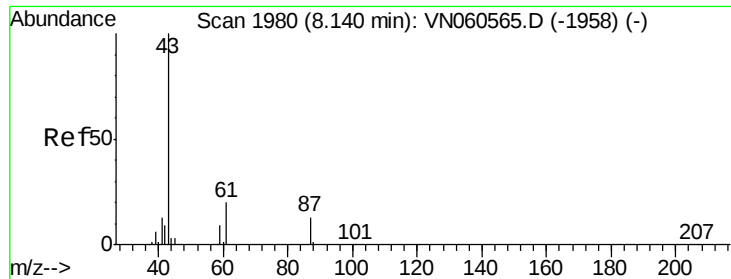
Tgt Ion: 43 Resp: 988
 Ion Ratio Lower Upper
 43 100
 61 47.3 10.6 15.8#
 70 0.0 7.9 11.9#



#38
 Carbon Tetrachloride
 Concen: 6.718 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060740.D
 Acq: 27 Mar 2020 14:30

Tgt Ion: 117 Resp: 20300
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 10.924 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

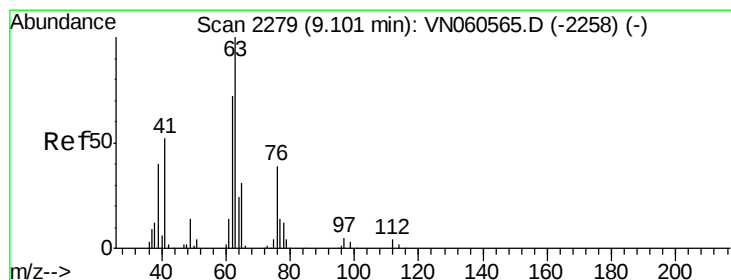
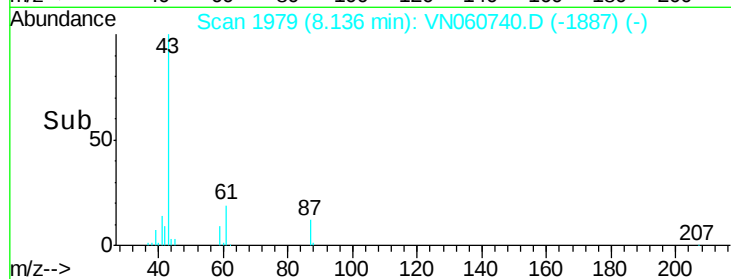
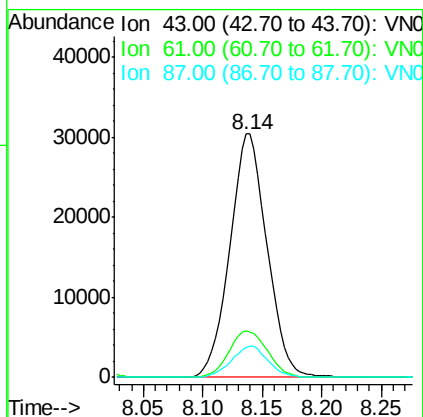
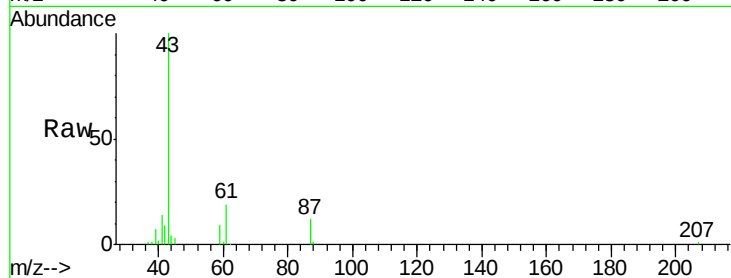
Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#05

Tgt Ion:	43	Resp:	65633
Ion	Ratio	Lower	Upper
43	100		
61	19.7	20.7	31.1#
87	12.5	9.8	14.8



#45

1,2-Dichloropropane

Concen: 0.453 ug/l

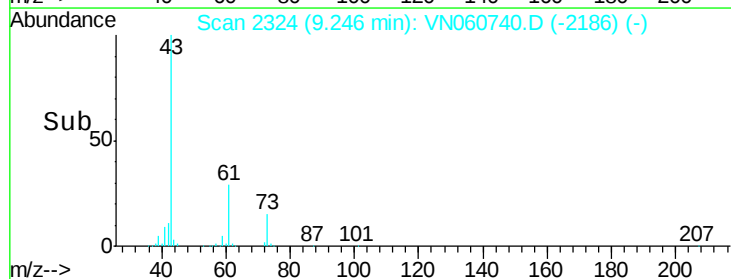
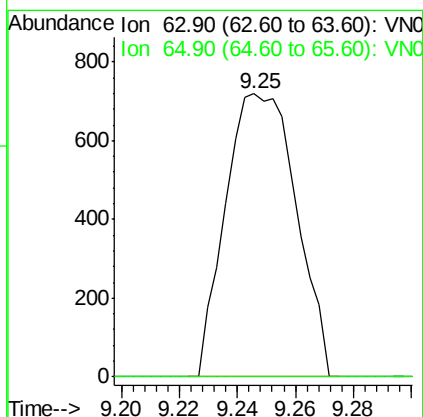
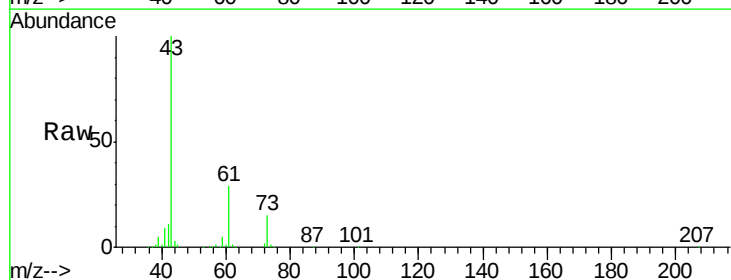
RT: 9.25 min Scan# 2324

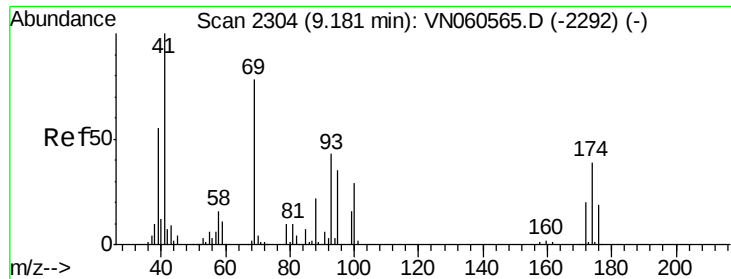
Delta R.T. 0.14 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

Tgt Ion:	63	Resp:	1217
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.4	38.0#

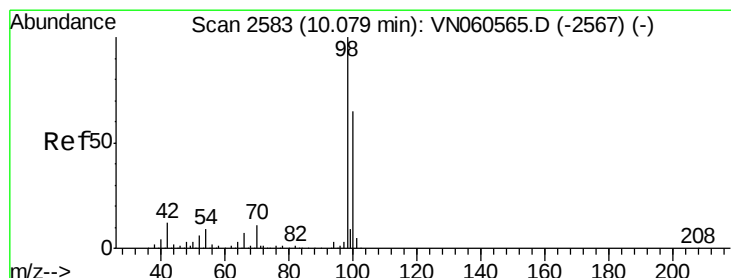
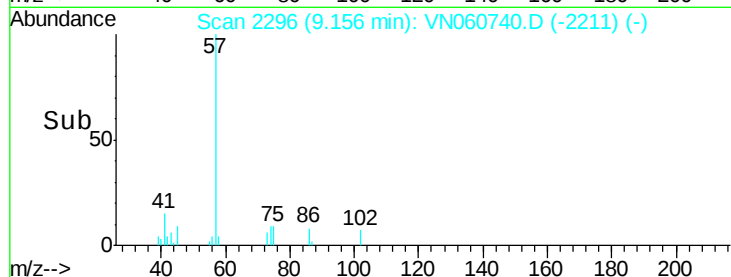
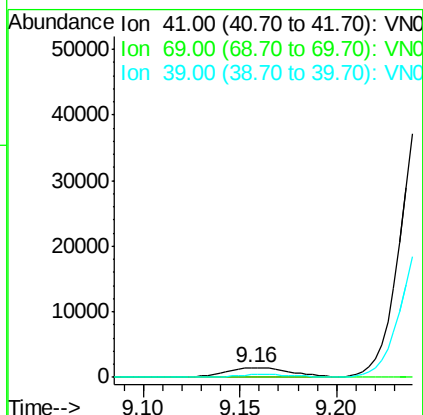
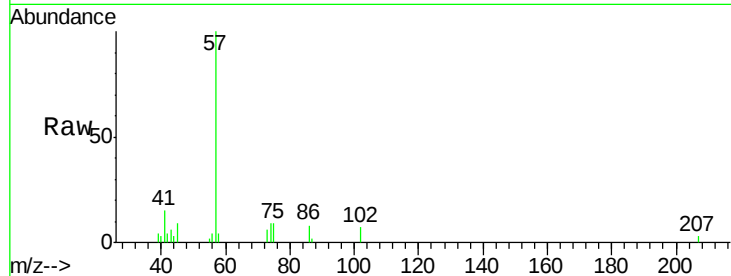




#48
Methyl methacrylate
Concen: 1.264 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060740.D
Acq: 27 Mar 2020 14:30

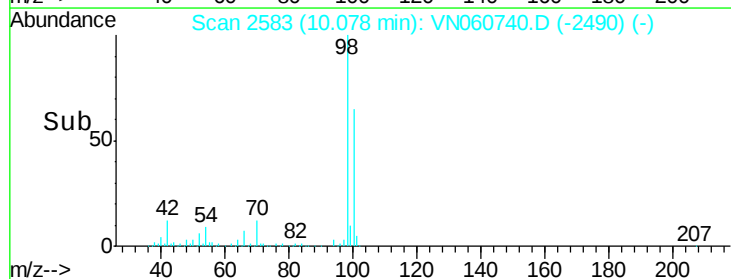
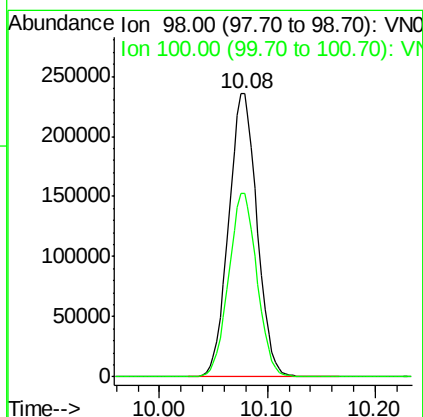
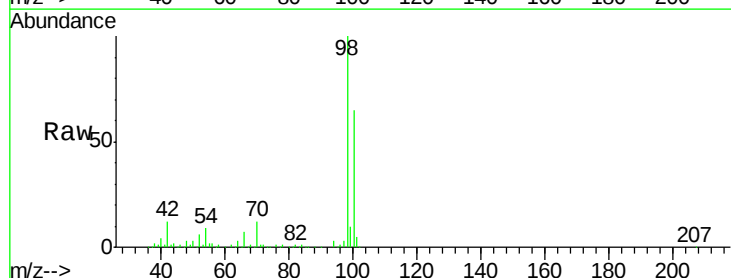
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#05

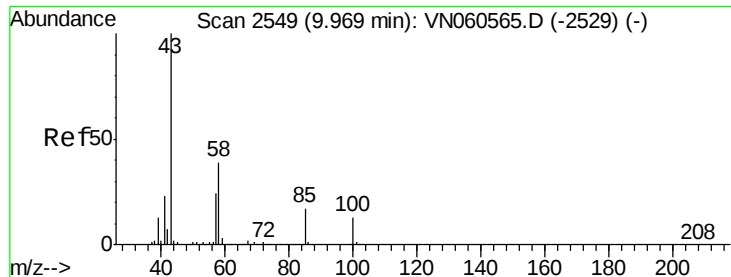
Tgt Ion: 41 Resp: 3381
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.300 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060740.D
Acq: 27 Mar 2020 14:30

Tgt Ion: 98 Resp: 432576
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

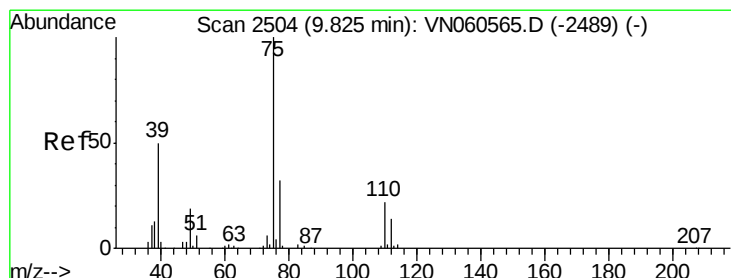
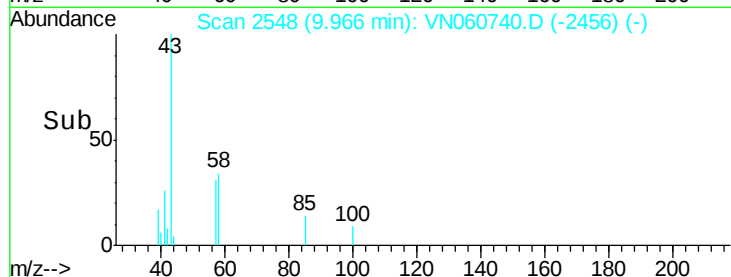
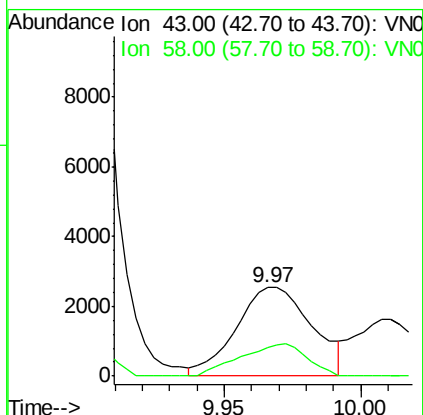
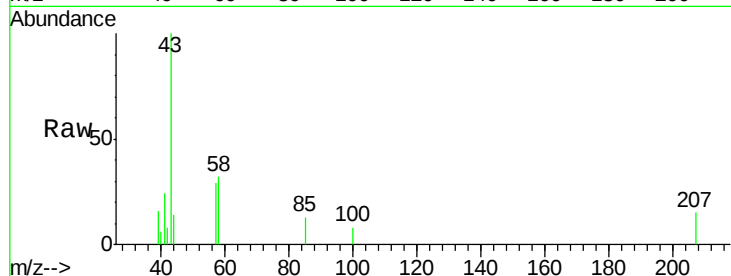




#51
 4-Methyl-2-Pentanone
 Concen: 1.437 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060740.D
 Acq: 27 Mar 2020 14:30

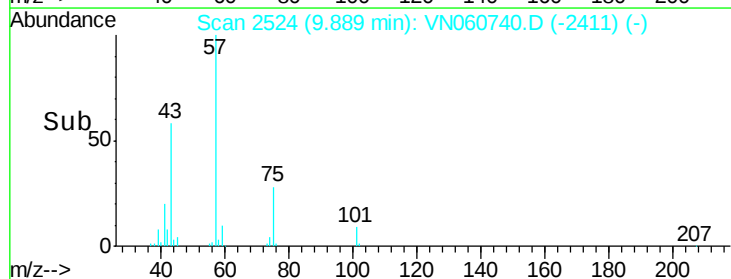
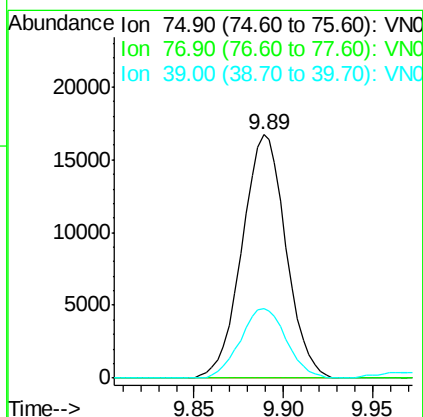
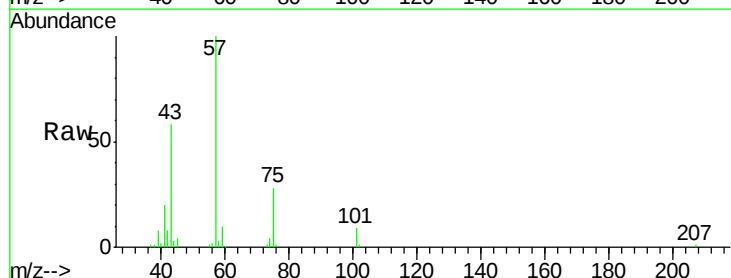
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#05

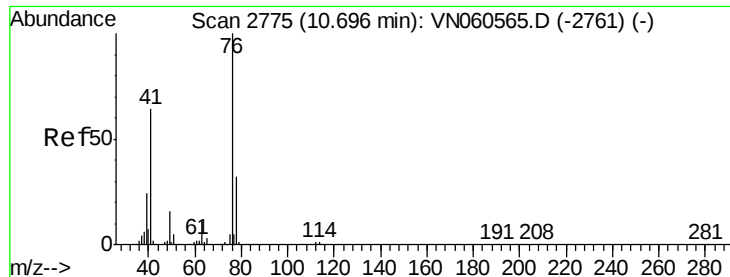
Tgt Ion: 43 Resp: 4913
 Ion Ratio Lower Upper
 43 100
 58 31.8 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.764 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060740.D
 Acq: 27 Mar 2020 14:30

Tgt Ion: 75 Resp: 28758
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 28.4 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 1.099 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

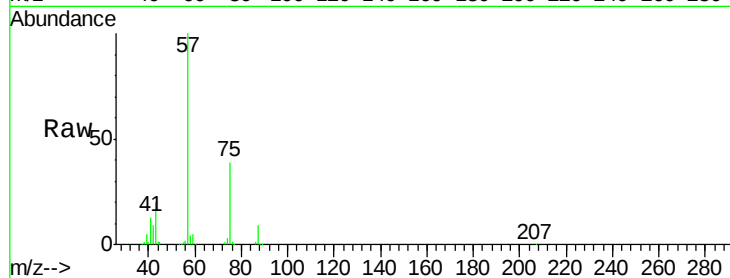
PB127814ZHE#05

Tgt Ion: 76 Resp: 4508

Ion Ratio Lower Upper

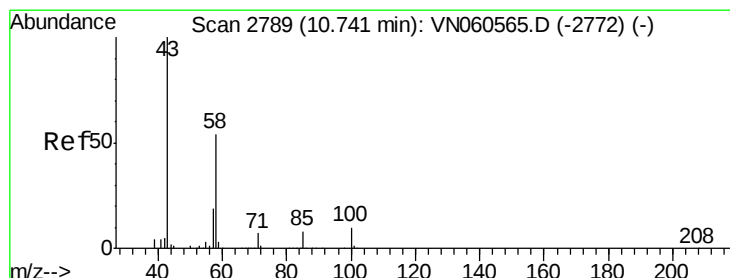
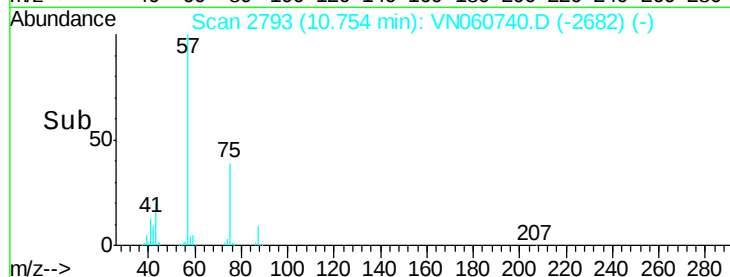
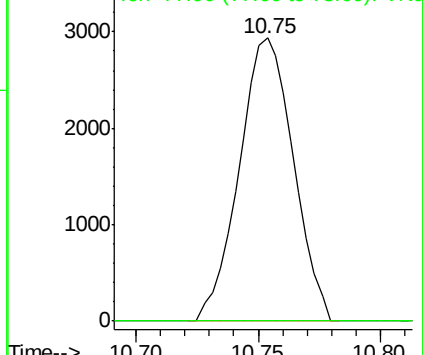
76 100

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: 27.329 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060740.D

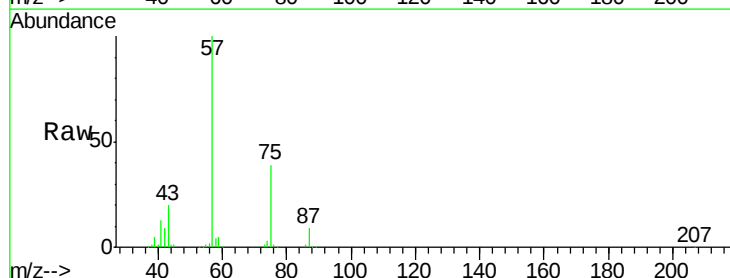
Acq: 27 Mar 2020 14:30

Tgt Ion: 43 Resp: 67306

Ion Ratio Lower Upper

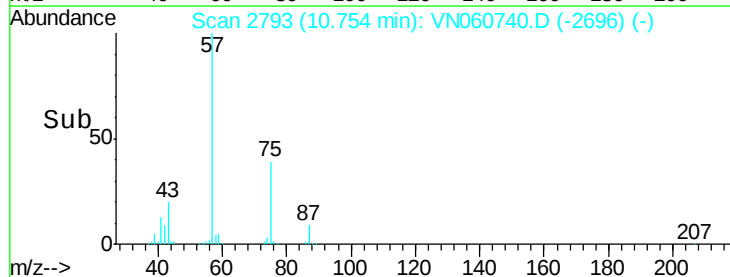
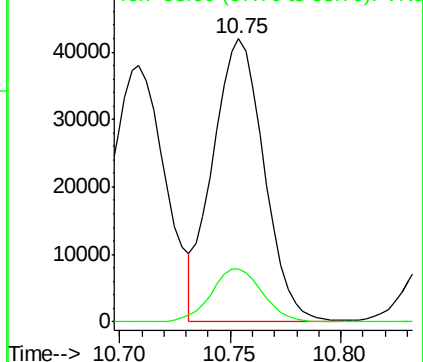
43 100

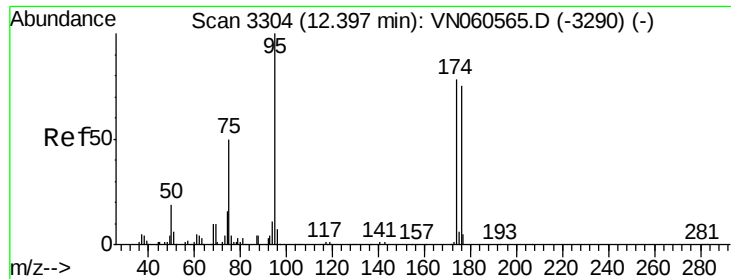
58 18.9 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.022 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#05

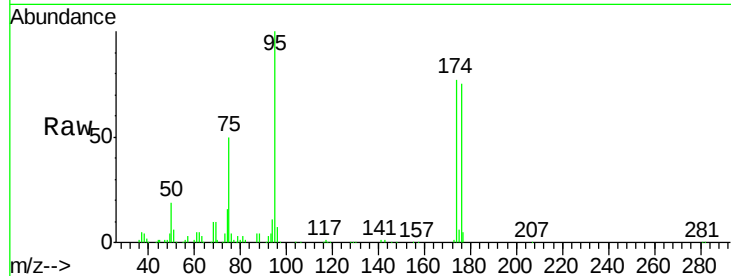
Tgt Ion: 95 Resp: 160809

Ion Ratio Lower Upper

95 100

174 77.7 0.0 157.6

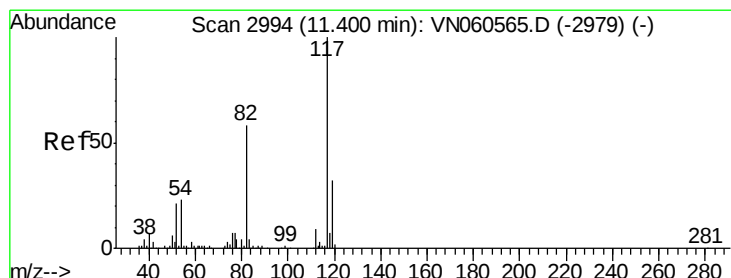
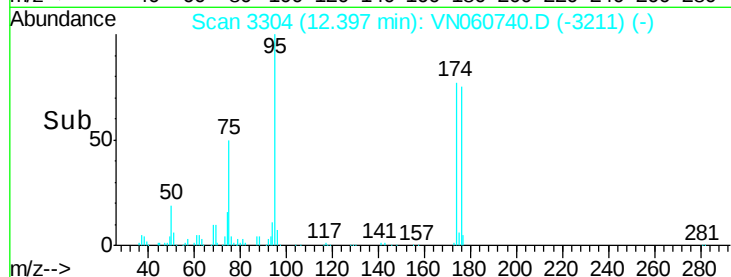
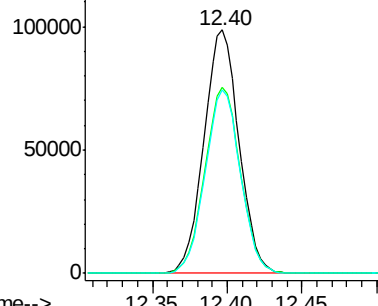
176 75.8 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060740.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060740.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060740.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

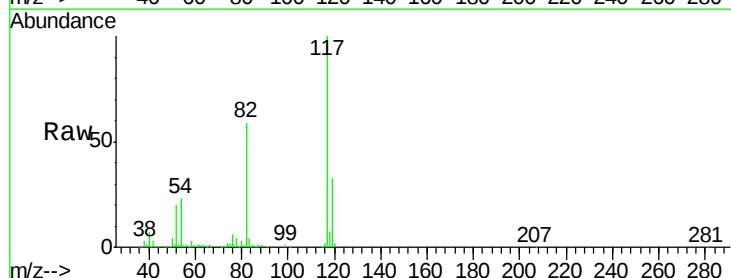
Tgt Ion: 117 Resp: 329067

Ion Ratio Lower Upper

117 100

82 58.9 46.7 70.1

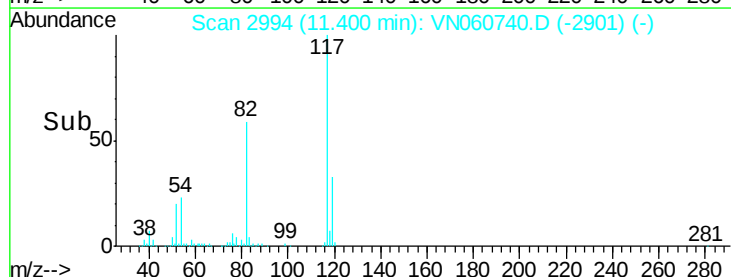
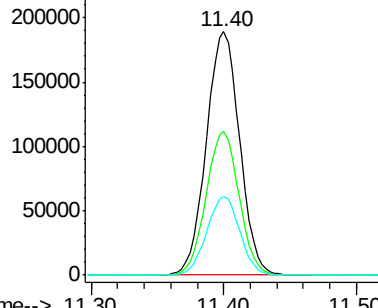
119 32.5 25.5 38.3

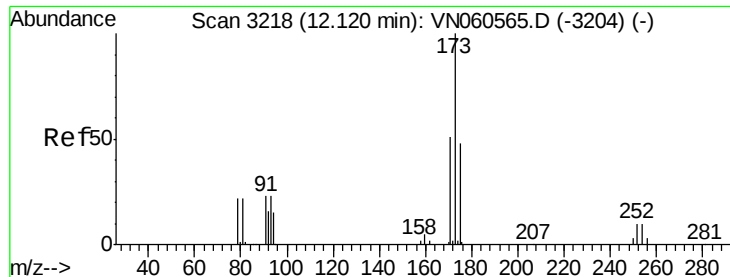


Abundance Ion 116.90 (116.60 to 117.60): VN060740.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060740.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060740.D (-2979) (-)





#71

Bromoform

Concen: 2.035 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#05

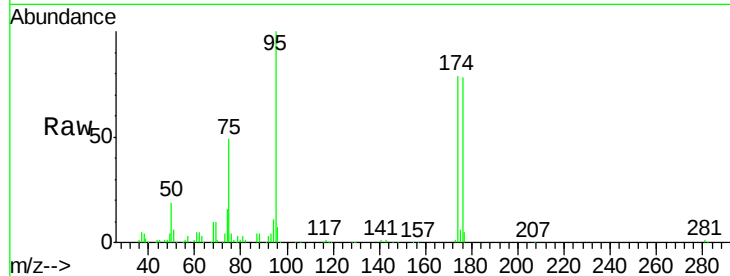
Tgt Ion:173 Resp: 720

Ion Ratio Lower Upper

173 100

175 1080.7 24.1 72.4#

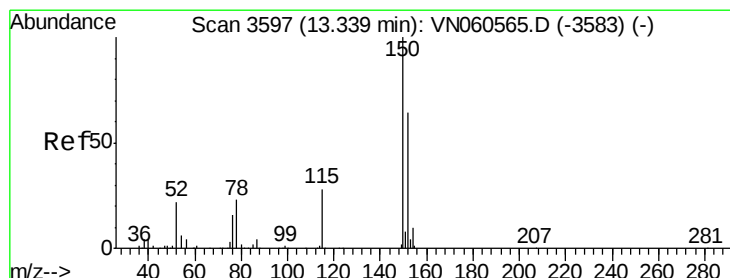
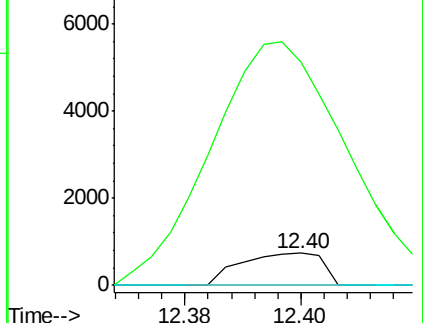
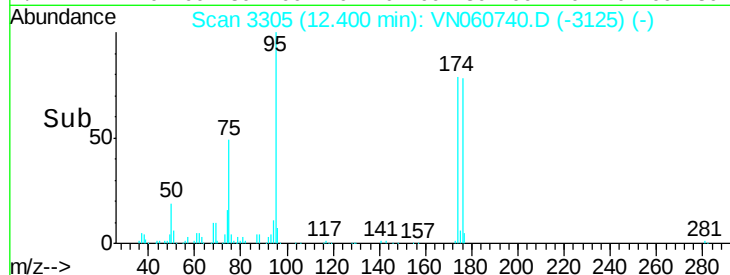
254 0.0 0.0 0.0



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: VN060740.D

Acq: 27 Mar 2020 14:30

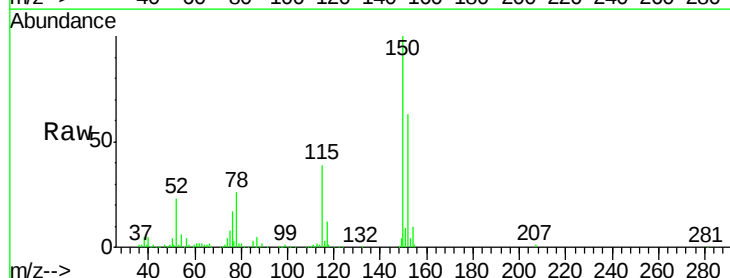
Tgt Ion:152 Resp: 145759

Ion Ratio Lower Upper

152 100

115 60.3 30.2 90.6

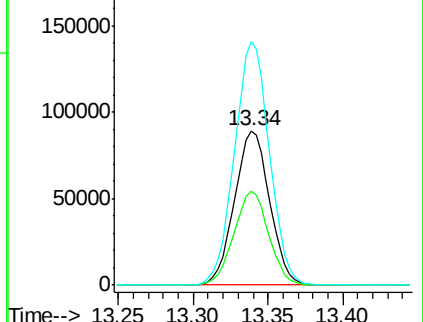
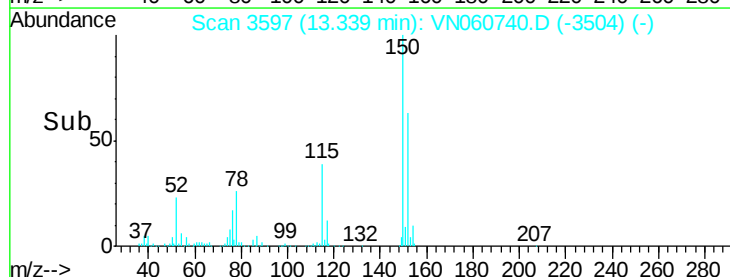
150 157.2 0.0 350.2

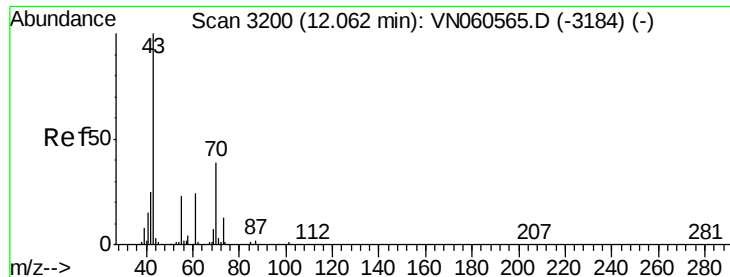


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.491 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060740.D

Acq: 27 Mar 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#05

Tgt Ion: 43 Resp: 2482

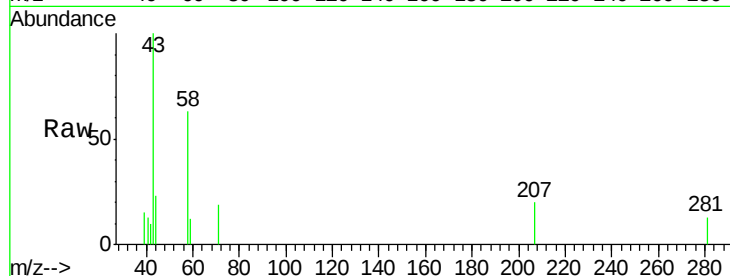
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

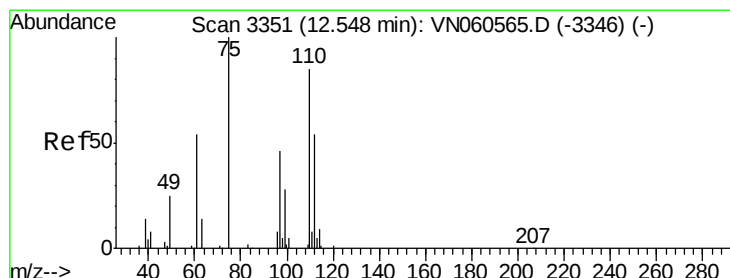
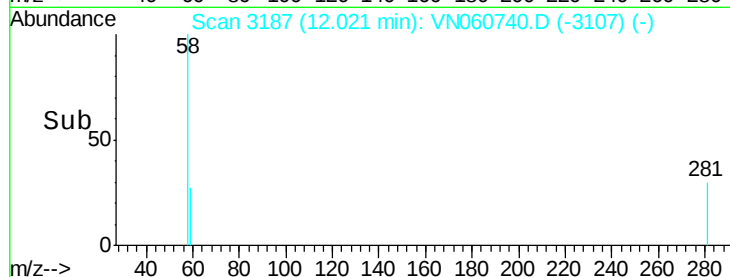
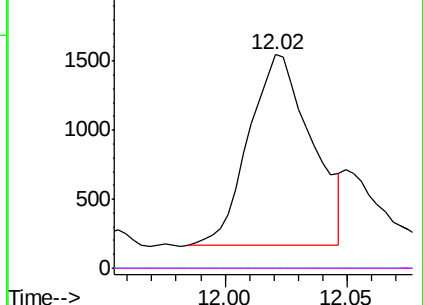


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.116 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060740.D

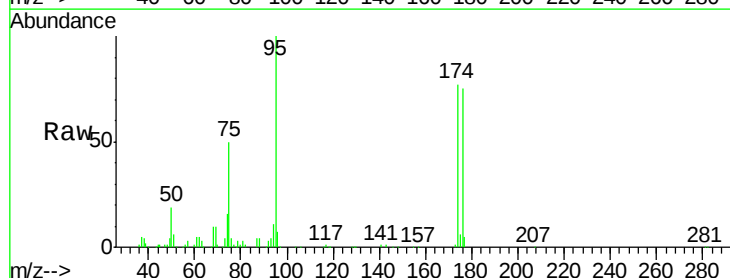
Acq: 27 Mar 2020 14:30

Tgt Ion: 75 Resp: 82141

Ion Ratio Lower Upper

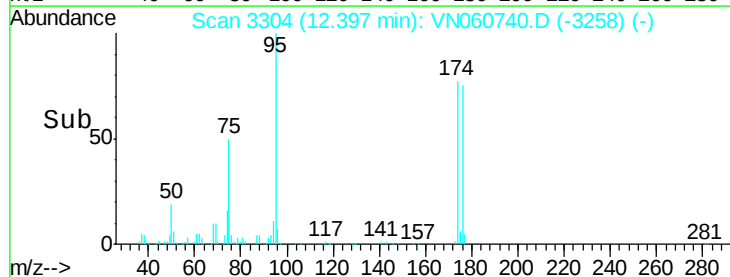
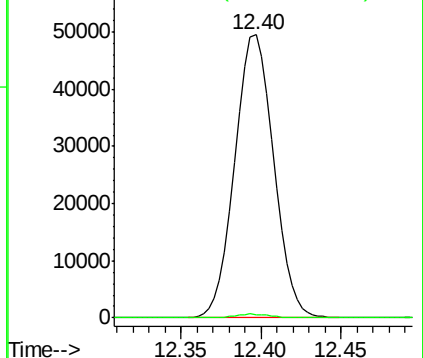
75 100

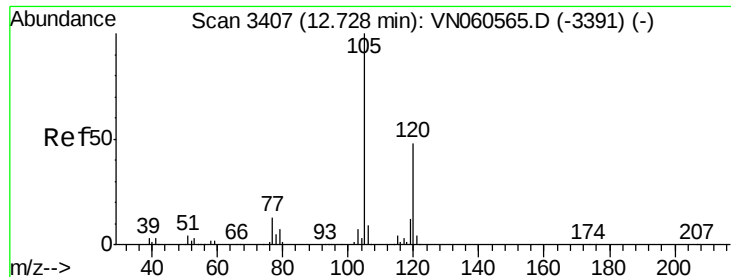
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

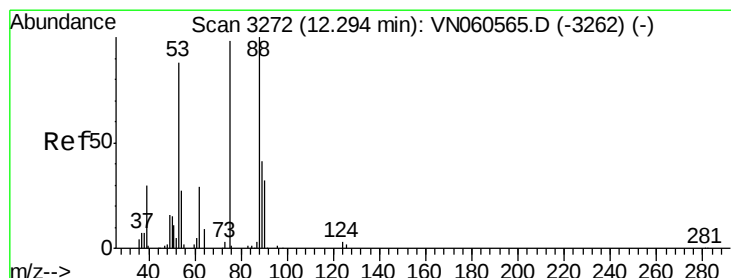
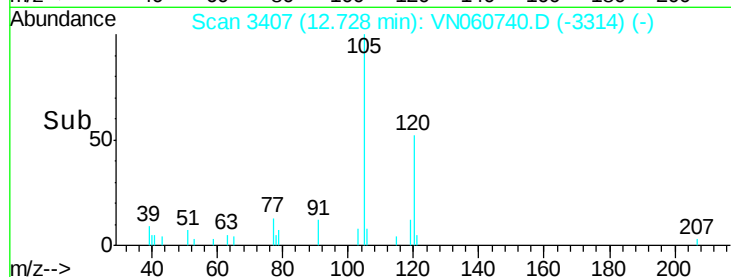
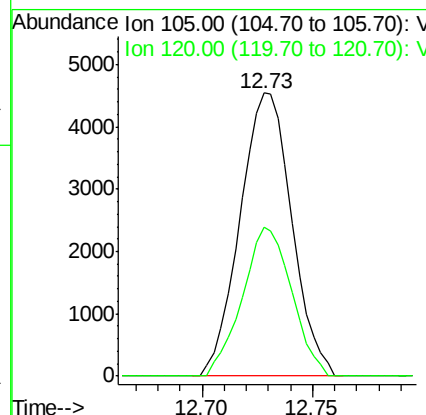
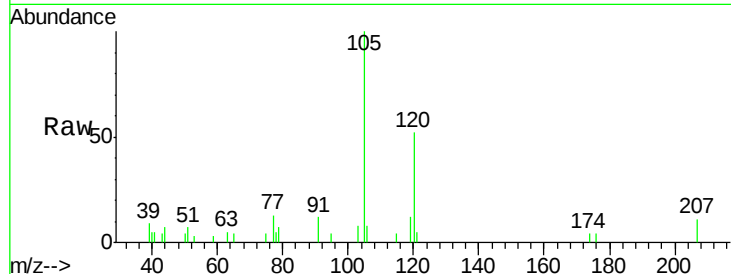




#80
 1,3,5-Trimethylbenzene
 Concen: 0.795 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060740.D
 Acq: 27 Mar 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#05

Tgt Ion: 105 Resp: 7376
 Ion Ratio Lower Upper
 105 100
 120 49.9 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.075 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060740.D
 Acq: 27 Mar 2020 14:30

Tgt Ion: 75 Resp: 82141
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

