

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060747.D
 Acq On : 27 Mar 2020 17:18
 Operator : JC/MD
 Sample : PB127814ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#12

Quant Time: Mar 28 02:01:26 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

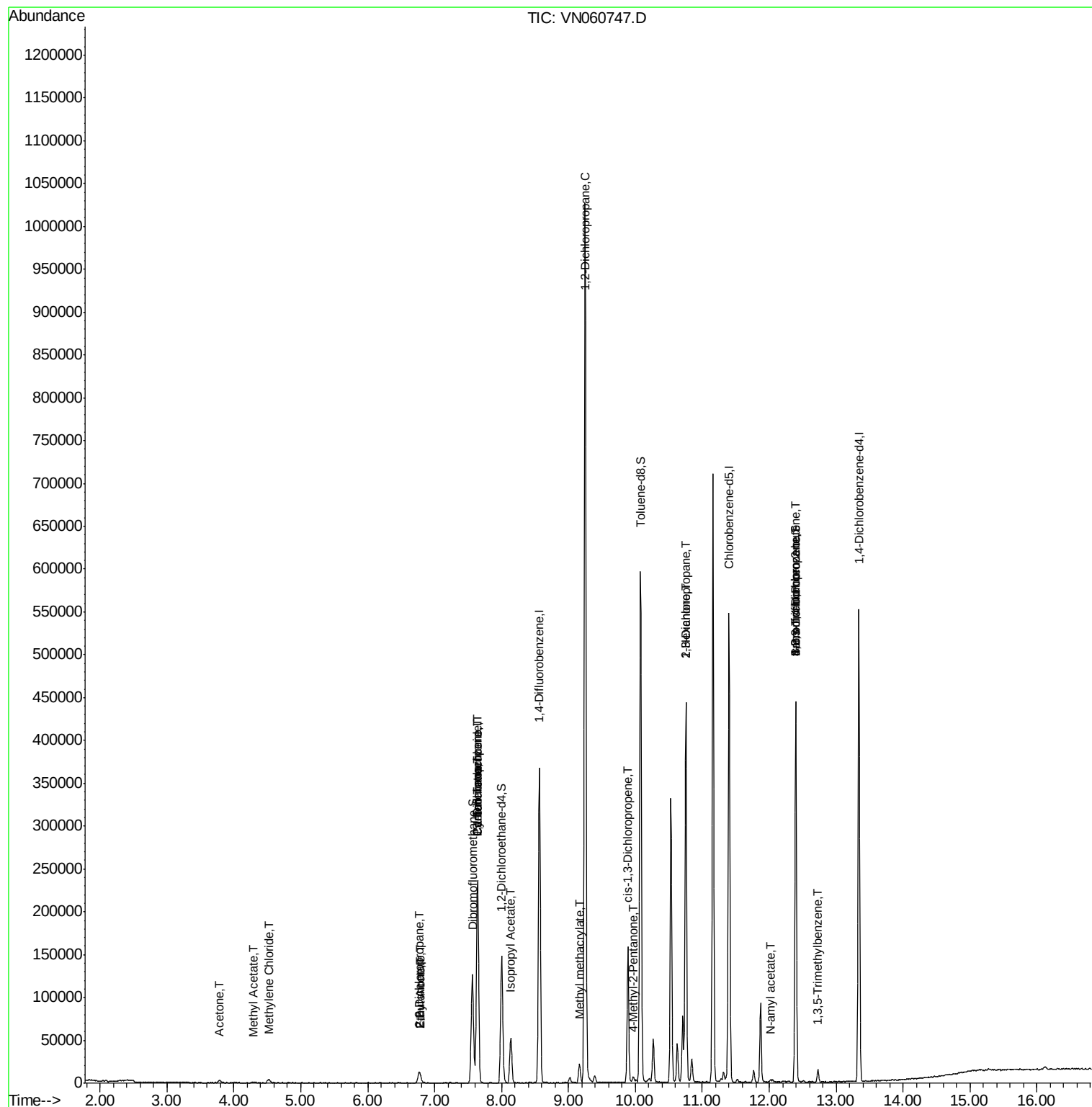
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	325658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147350	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125679	46.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.24%	
35) Dibromofluoromethane	7.56	113	97315	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
50) Toluene-d8	10.08	98	405385	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	156200	52.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.98%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	5507	5.767	ug/l	96
18) Methyl Acetate	4.29	43	2021	0.752	ug/l #	64
20) Methylene Chloride	4.53	84	3138	1.336	ug/l	97
25) 2-Butanone	6.79	43	1013	0.656	ug/l #	50
26) 2,2-Dichloropropane	6.77	77	769	0.227	ug/l #	53
31) Cyclohexane	7.64	56	4080	0.940	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14822	4.700	ug/l #	50
37) Ethyl Acetate	6.79	43	1013	0.297	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18685	6.611	ug/l #	17
43) Isopropyl Acetate	8.14	43	63593	11.317	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1184	0.471	ug/l #	43
48) Methyl methacrylate	9.16	41	3266	1.305	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4478	1.400	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	27535	6.924	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	4467	1.164	ug/l #	42
59) 2-Hexanone	10.75	43	65378	28.383	ug/l #	52
71) Bromoform	12.39	173	410	1.893	ug/l #	29
74) N-amyl acetate	12.02	43	2156	0.422	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	77703	24.439	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8046	0.857	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	77703	62.766	ug/l #	13

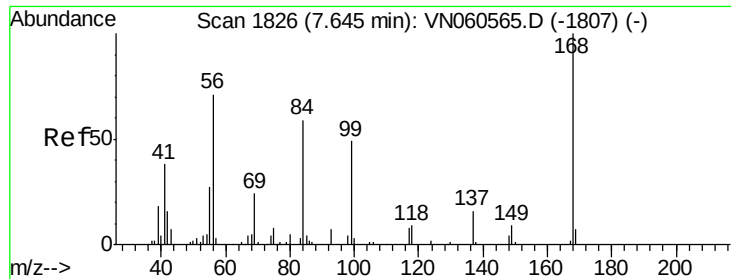
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

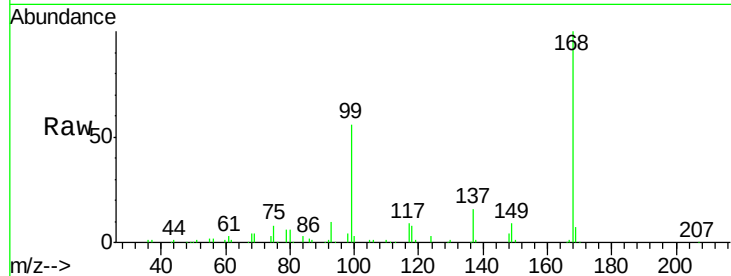
PB127814ZHE#12

Tgt Ion:168 Resp: 196362

Ion Ratio Lower Upper

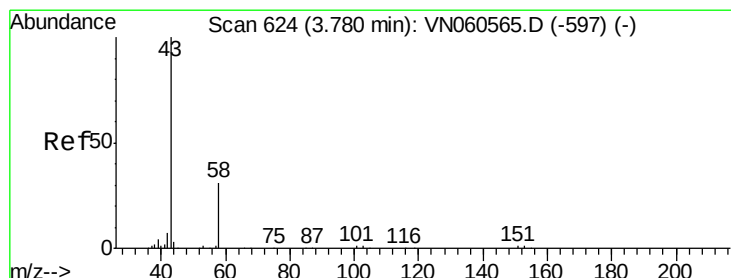
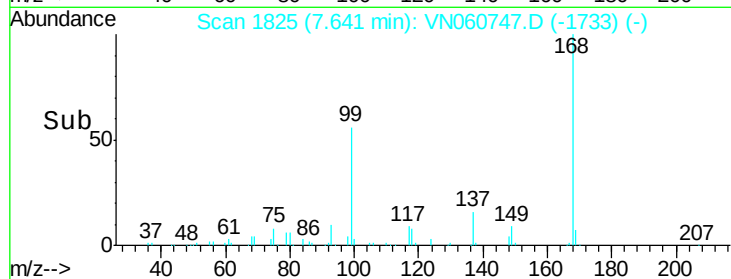
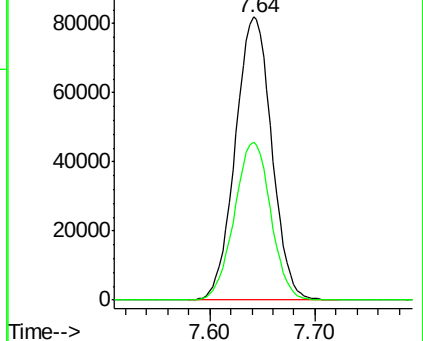
168 100

99 55.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 5.767 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060747.D

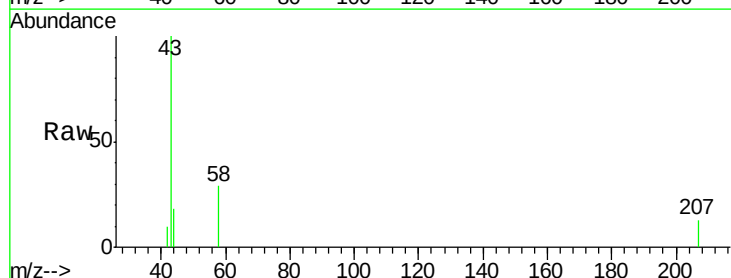
Acq: 27 Mar 2020 17:18

Tgt Ion: 43 Resp: 5507

Ion Ratio Lower Upper

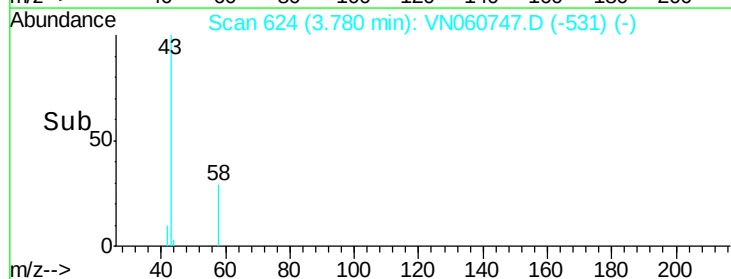
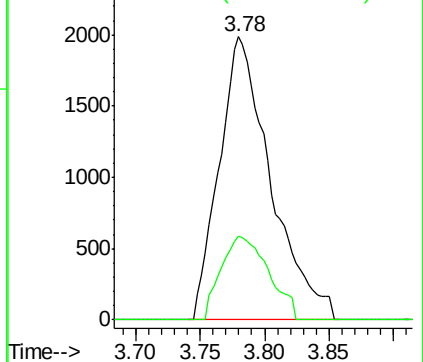
43 100

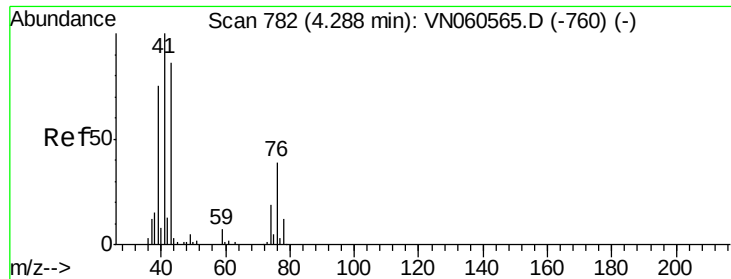
58 29.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

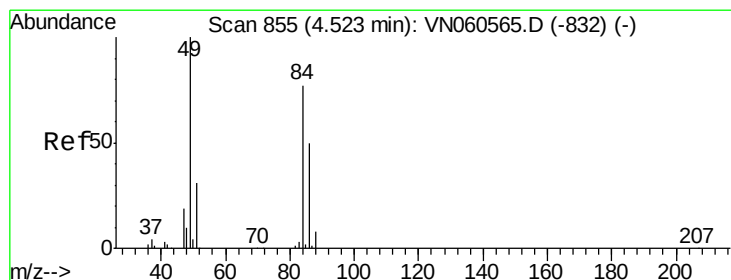
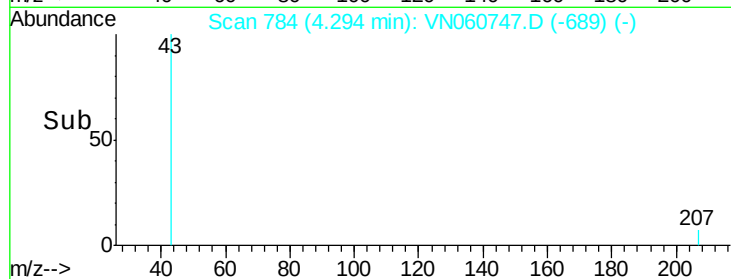
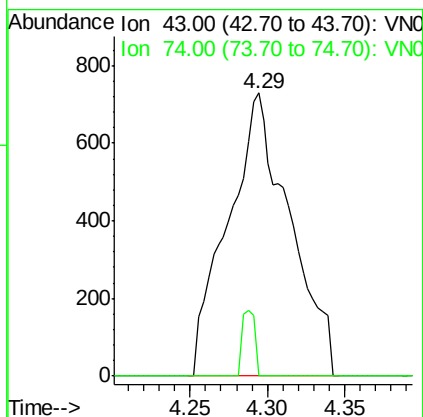
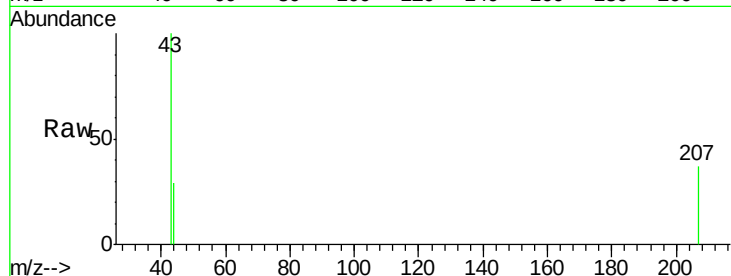




#18
Methyl Acetate
Concen: 0.752 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060747.D
Acq: 27 Mar 2020 17:18

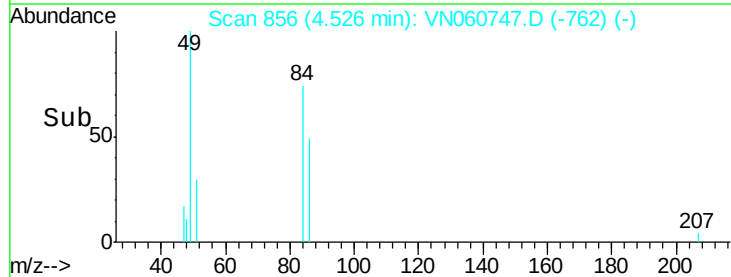
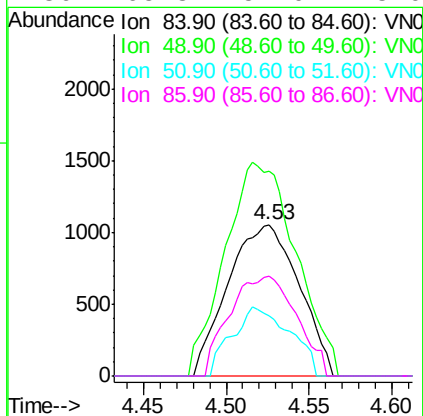
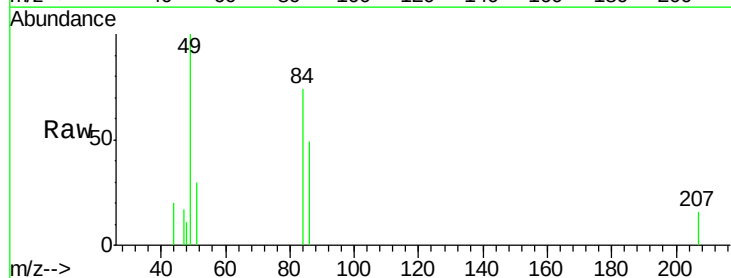
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#12

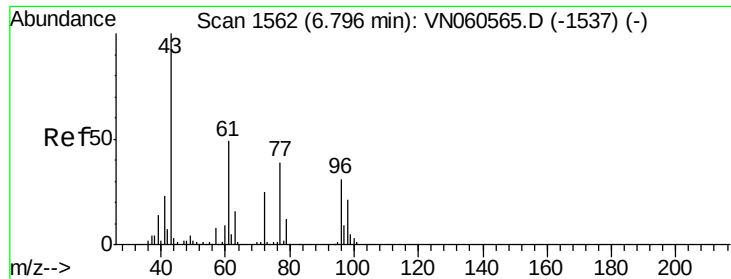
Tgt Ion: 43 Resp: 2021
Ion Ratio Lower Upper
43 100
74 4.7 17.5 26.3#



#20
Methylene Chloride
Concen: 1.336 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060747.D
Acq: 27 Mar 2020 17:18

Tgt Ion: 84 Resp: 3138
Ion Ratio Lower Upper
84 100
49 135.0 103.3 154.9
51 39.9 31.6 47.4
86 65.8 52.0 78.0





#25

2-Butanone

Concen: 0.656 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

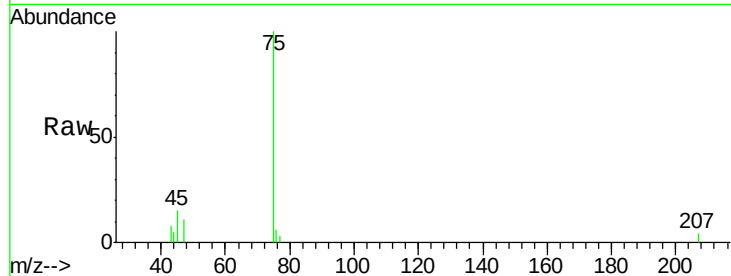
PB127814ZHE#12

Tgt Ion: 43 Resp: 1013

Ion Ratio Lower Upper

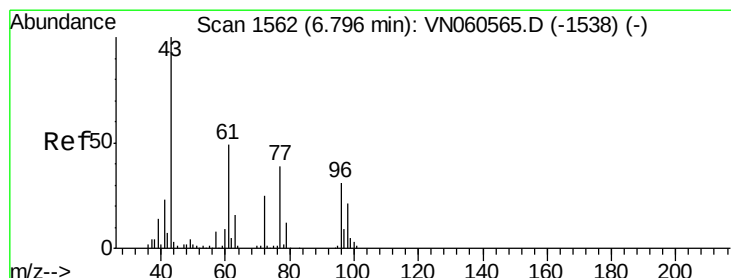
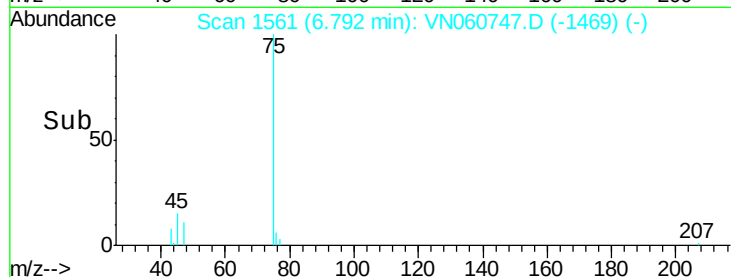
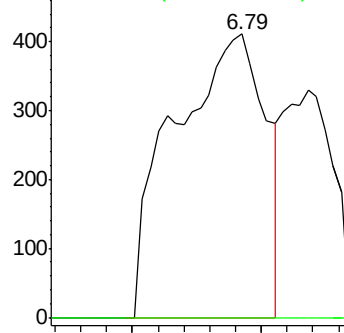
43 100

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



#26

2,2-Dichloropropane

Concen: 0.227 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.03 min

Lab File: VN060747.D

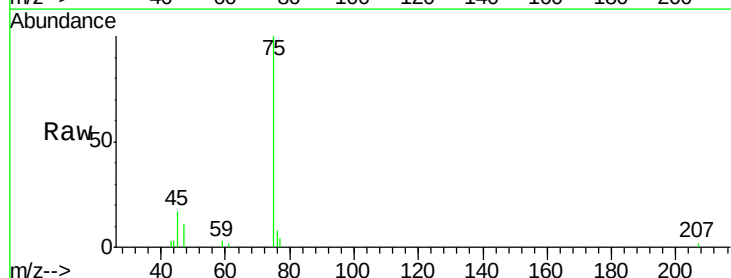
Acq: 27 Mar 2020 17:18

Tgt Ion: 77 Resp: 769

Ion Ratio Lower Upper

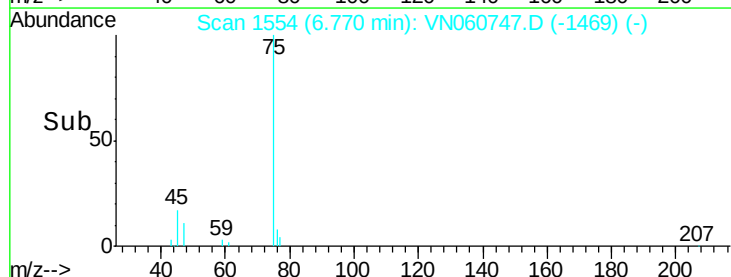
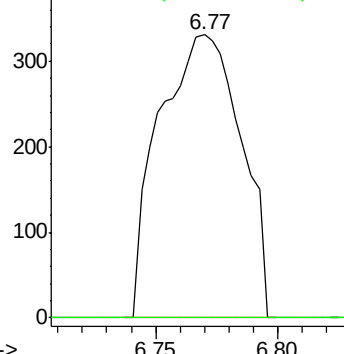
77 100

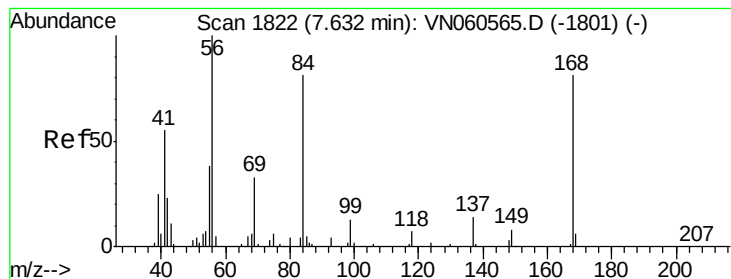
97 0.0 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#31

Cyclohexane

Concen: 0.940 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#12

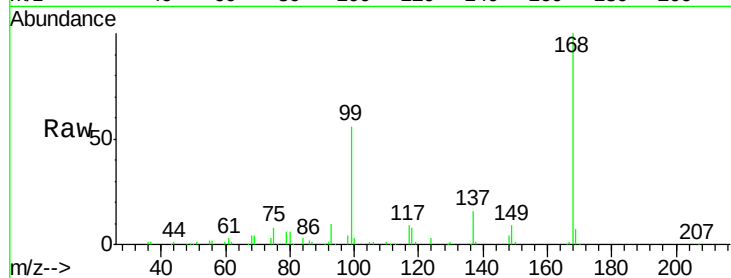
Tgt Ion: 56 Resp: 4080

Ion Ratio Lower Upper

56 100

69 174.6 26.6 40.0#

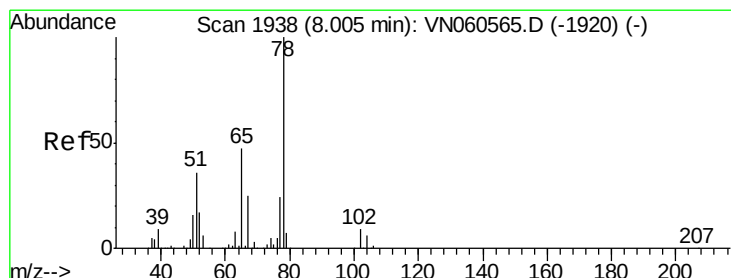
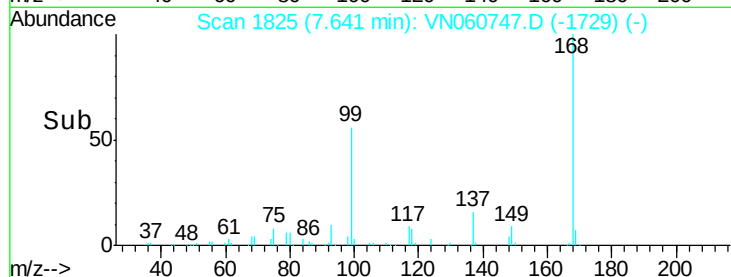
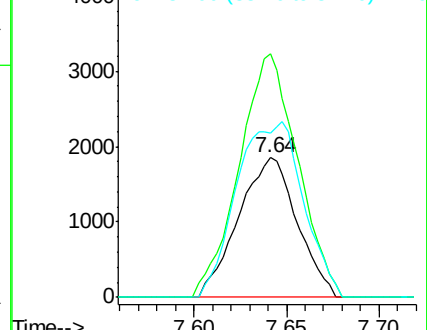
84 117.5 64.3 96.5#



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



#33

1,2-Dichloroethane-d4

Concen: 46.624 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060747.D

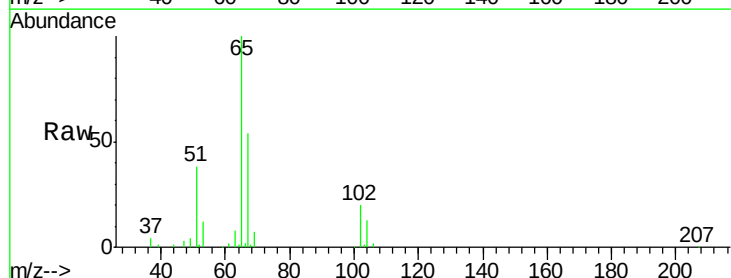
Acq: 27 Mar 2020 17:18

Tgt Ion: 65 Resp: 125679

Ion Ratio Lower Upper

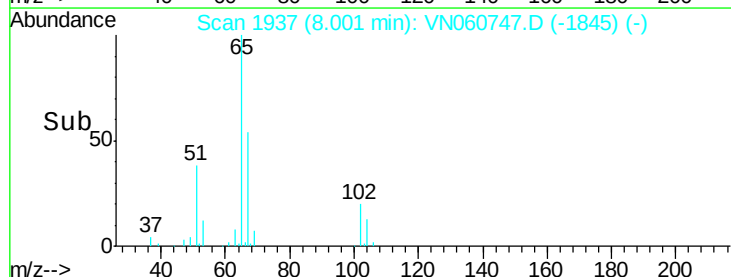
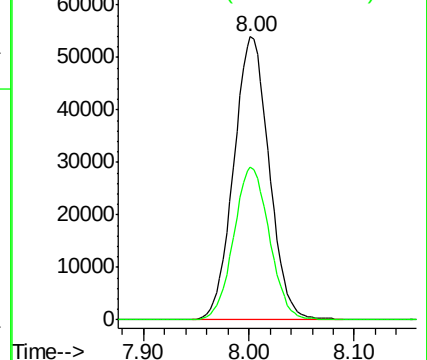
65 100

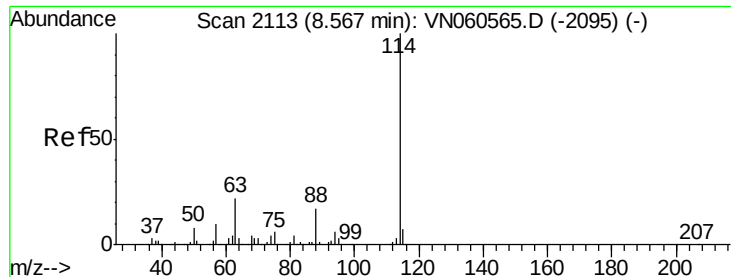
67 54.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

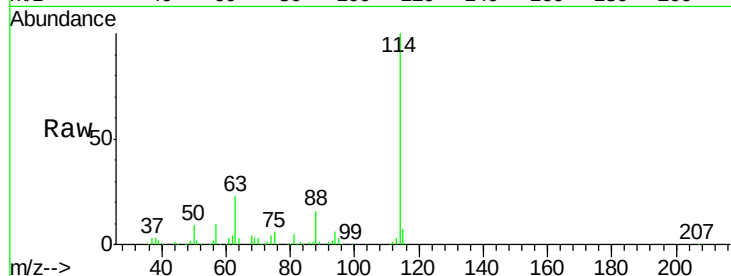




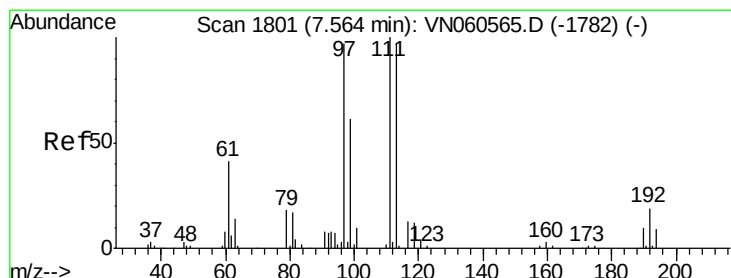
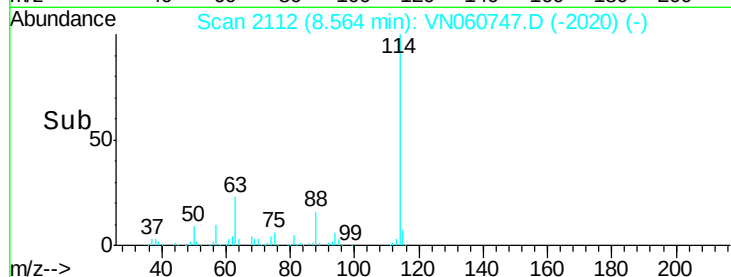
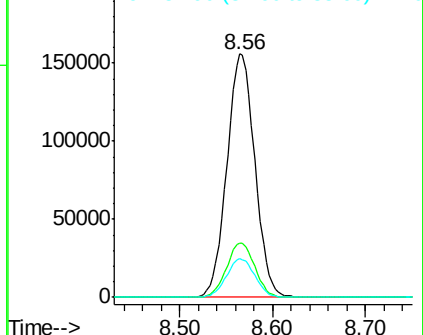
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060747.D
 Acq: 27 Mar 2020 17:18

Instrument :
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 PB127814ZHE#12

Tgt Ion:114 Resp: 325658
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 15.7 0.0 33.0

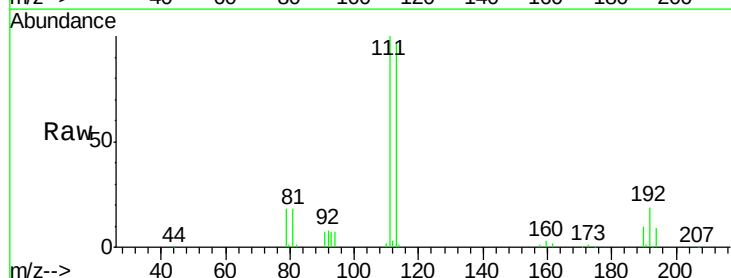


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

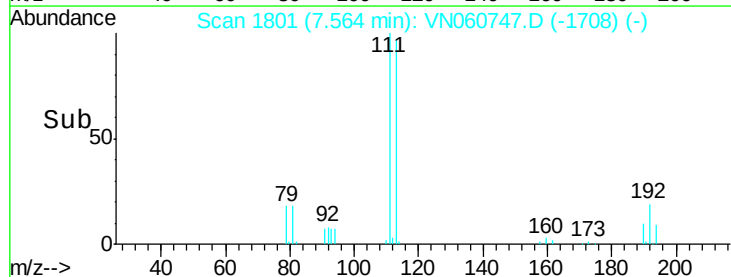
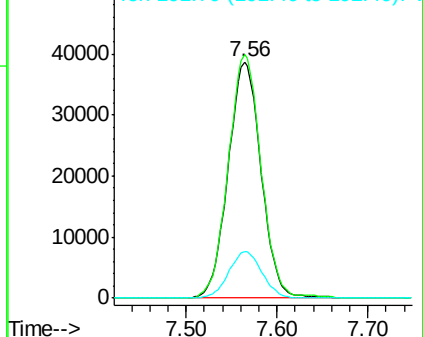


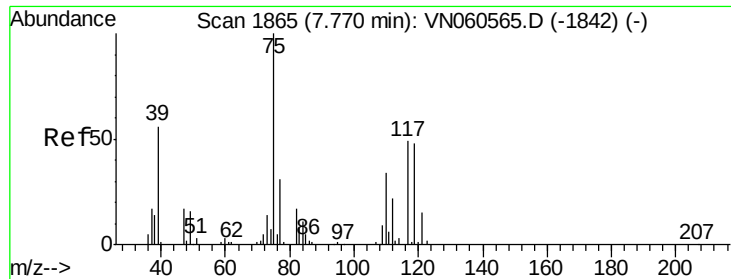
#35
 Dibromofluoromethane
 Concen: 49.420 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060747.D
 Acq: 27 Mar 2020 17:18

Tgt Ion:113 Resp: 97315
 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: 4.700 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

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PB127814ZHE#12

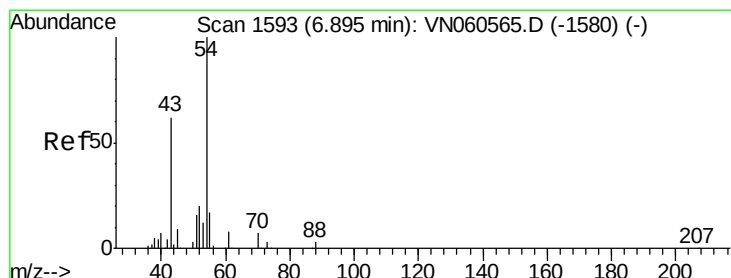
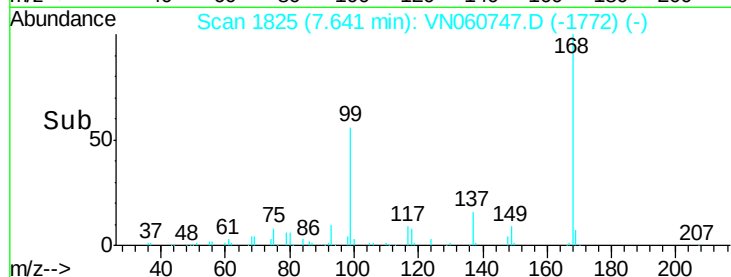
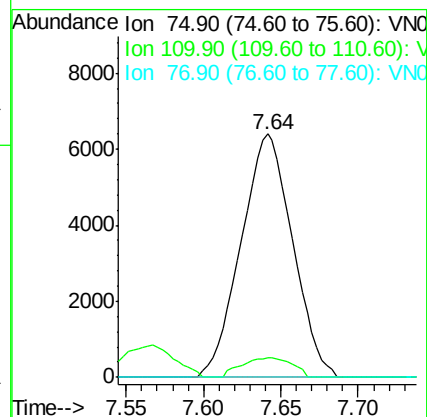
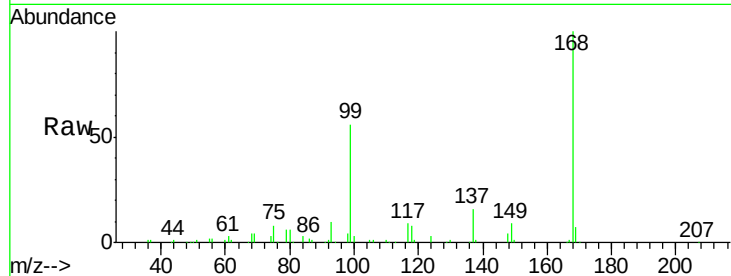
Tgt Ion: 75 Resp: 14822

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.6#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 0.297 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.10 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

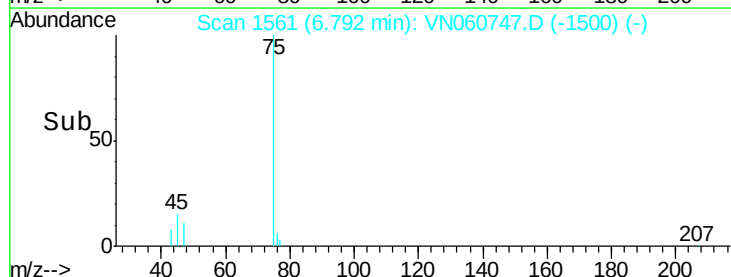
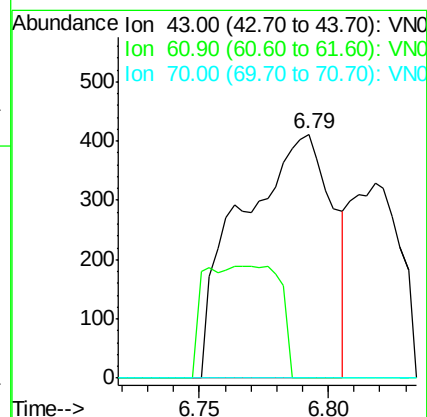
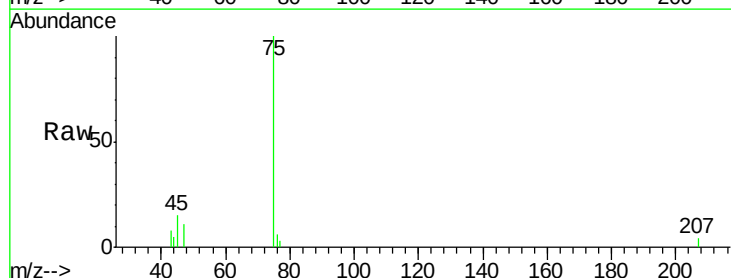
Tgt Ion: 43 Resp: 1013

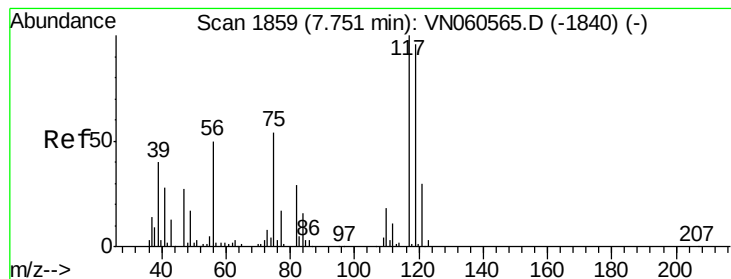
Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 6.611 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

Instrument :

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ClientSampleId :

PB127814ZHE#12

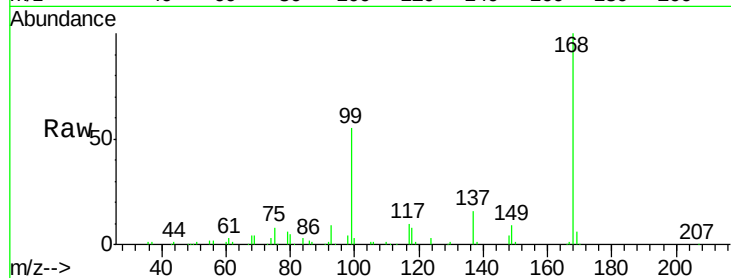
Tgt Ion:117 Resp: 18685

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

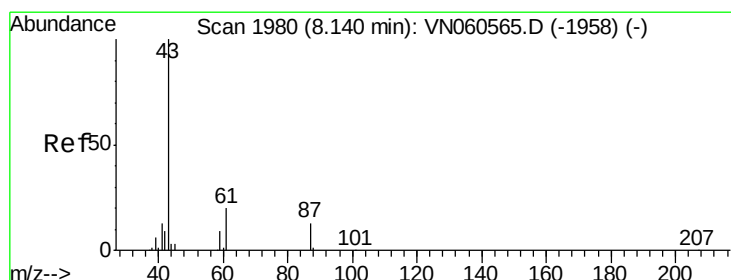
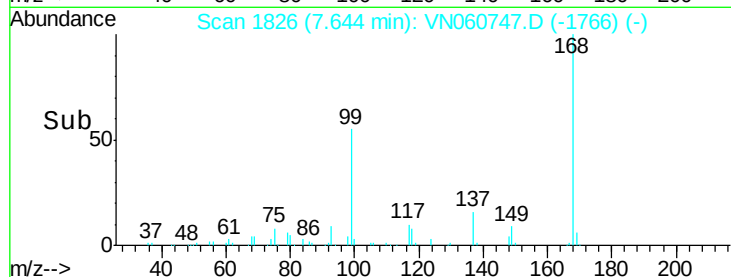
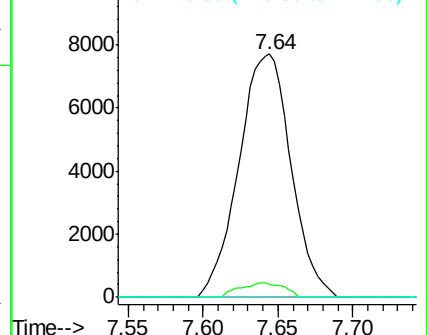
121 0.0 23.7 35.5#



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: 11.317 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

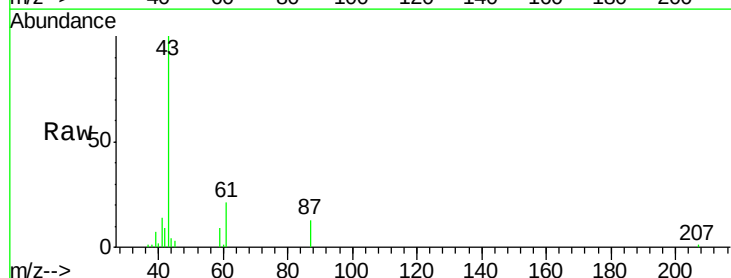
Tgt Ion: 43 Resp: 63593

Ion Ratio Lower Upper

43 100

61 19.7 20.7 31.1#

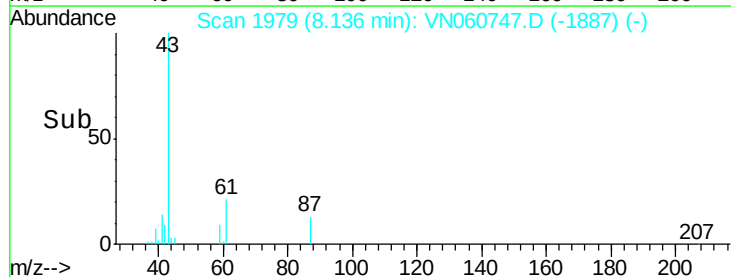
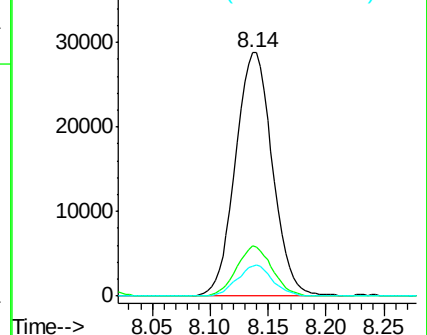
87 12.0 9.8 14.8

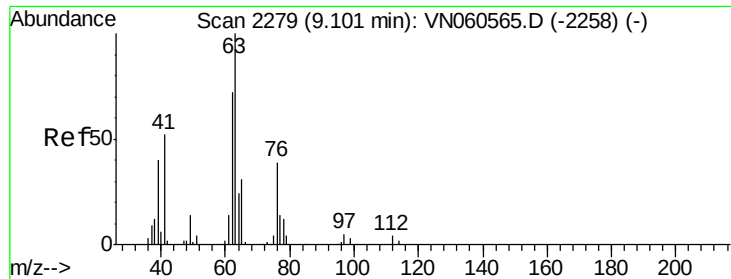


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

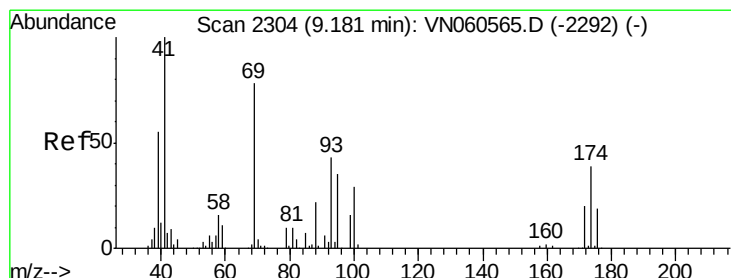
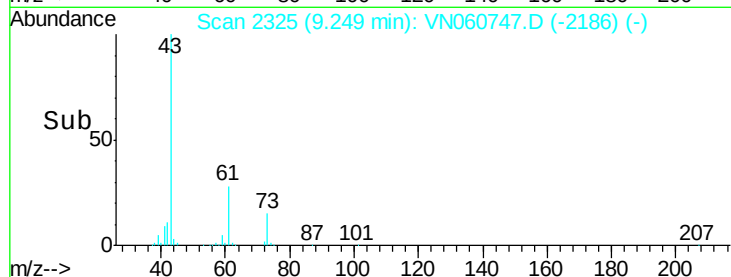
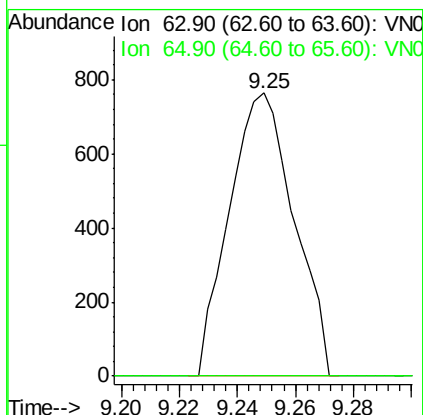
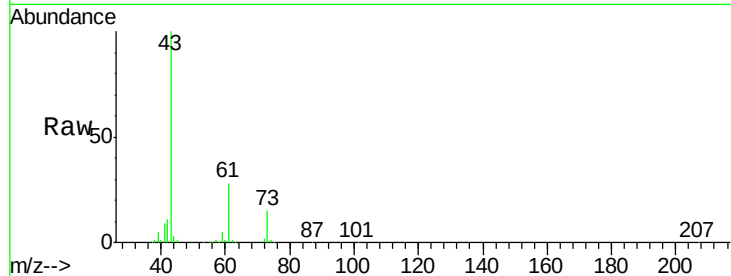




#45
 1,2-Dichloropropane
 Concen: 0.471 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060747.D
 Acq: 27 Mar 2020 17:18

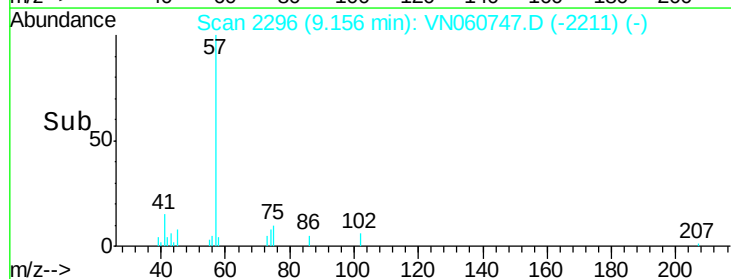
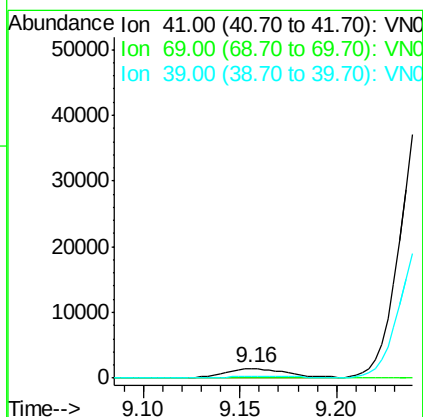
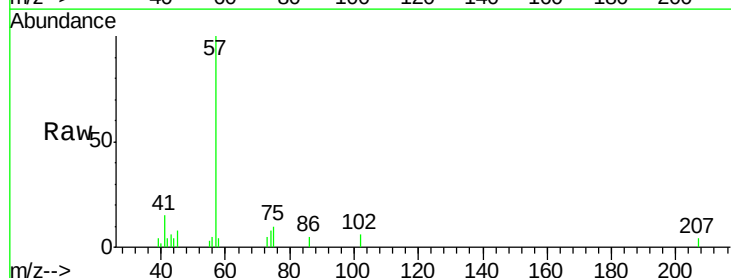
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#12

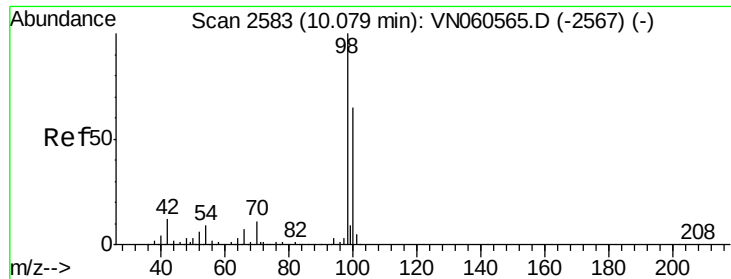
Tgt Ion: 63 Resp: 1184
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.305 ug/l
 RT: 9.16 min Scan# 2296
 Delta R.T. -0.03 min
 Lab File: VN060747.D
 Acq: 27 Mar 2020 17:18

Tgt Ion: 41 Resp: 3266
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#

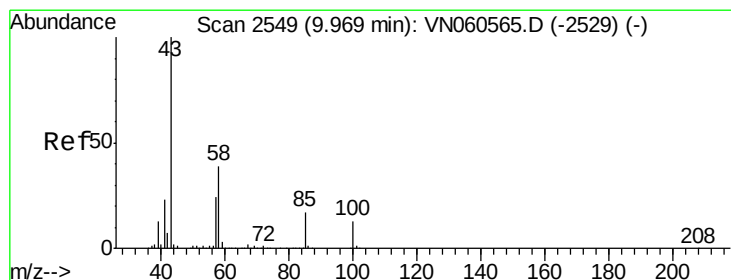
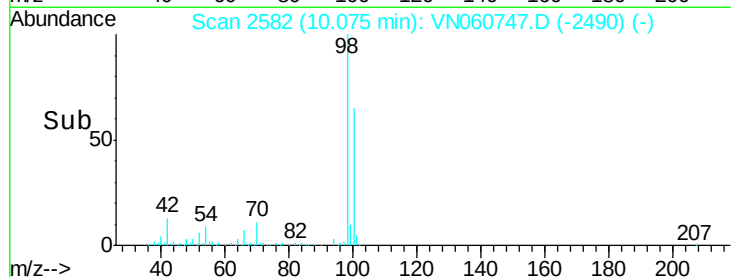
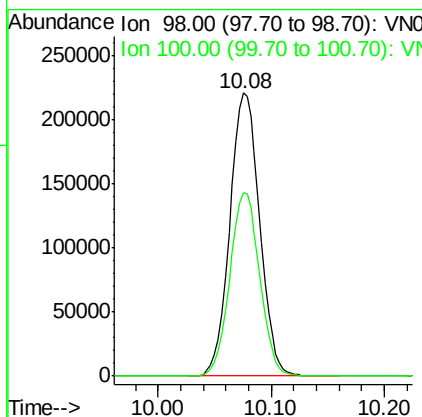
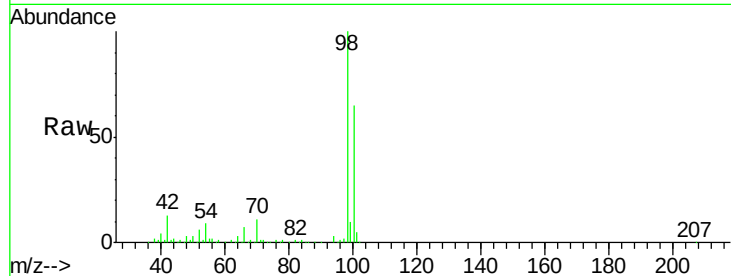




#50
Toluene-d8
Concen: 50.401 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060747.D
Acq: 27 Mar 2020 17:18

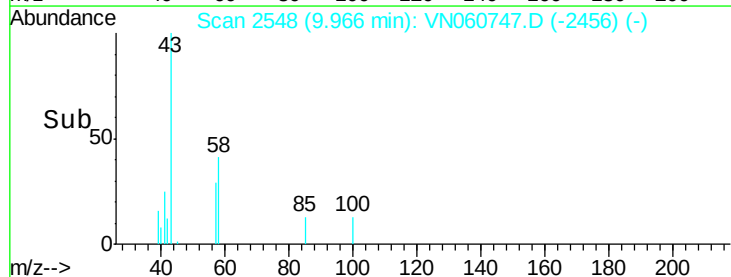
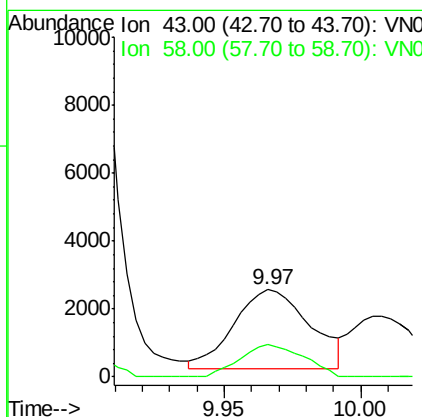
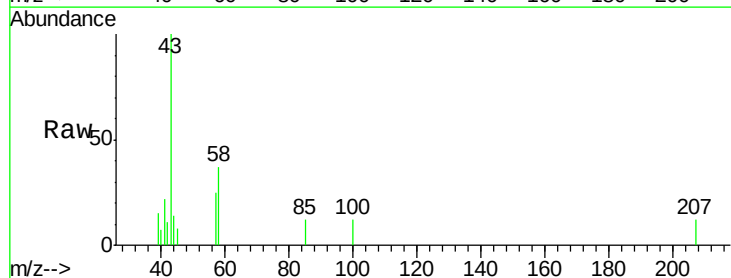
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#12

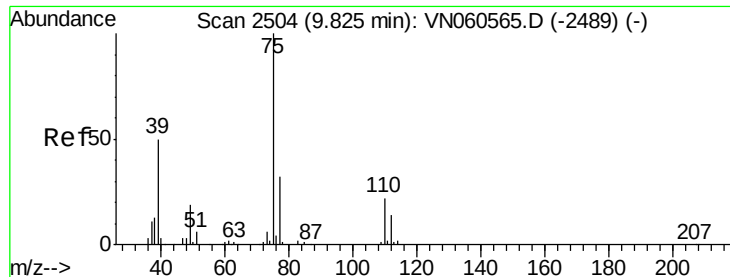
Tgt Ion: 98 Resp: 405385
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.400 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060747.D
Acq: 27 Mar 2020 17:18

Tgt Ion: 43 Resp: 4478
Ion Ratio Lower Upper
43 100
58 34.7 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.924 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#12

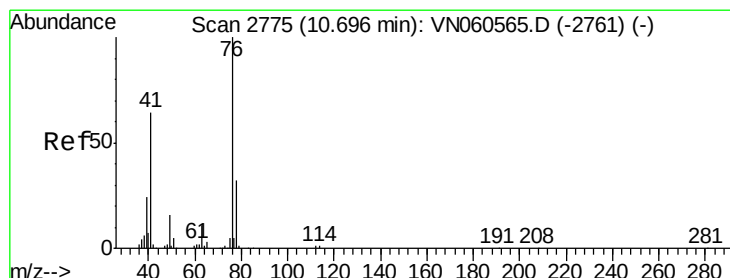
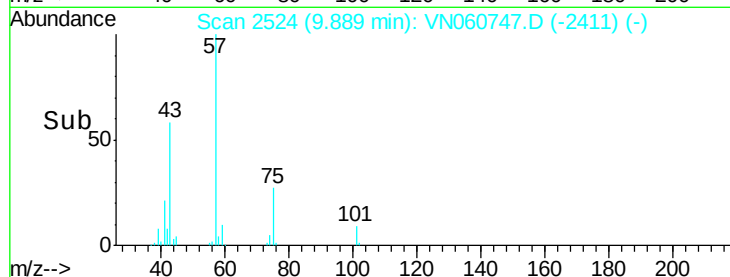
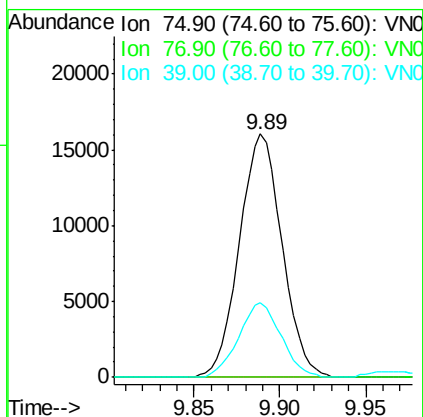
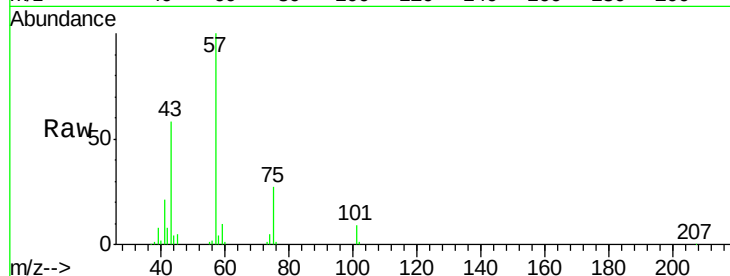
Tgt Ion: 75 Resp: 27535

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 30.8 40.2 60.4#



#57

1,3-Dichloropropane

Concen: 1.164 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060747.D

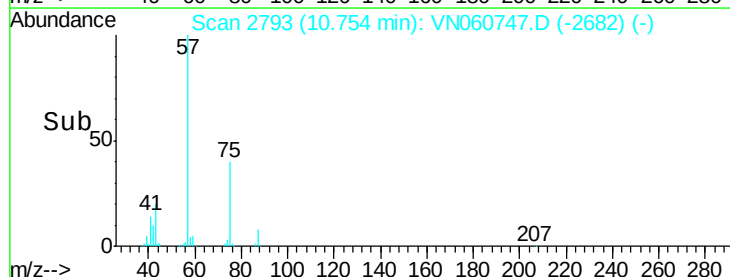
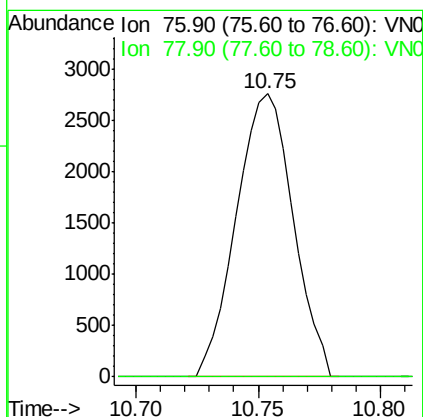
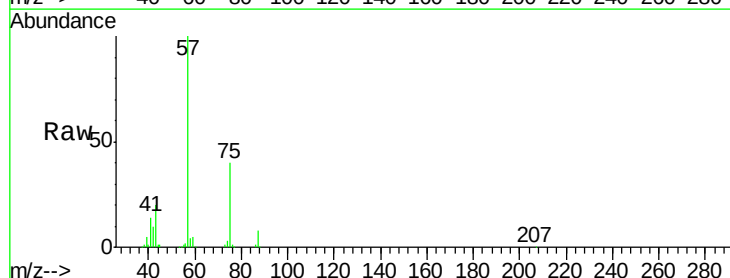
Acq: 27 Mar 2020 17:18

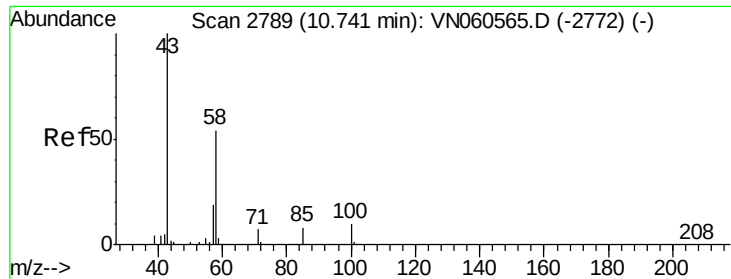
Tgt Ion: 76 Resp: 4467

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

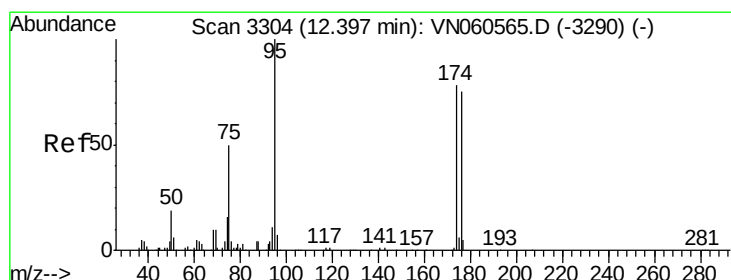
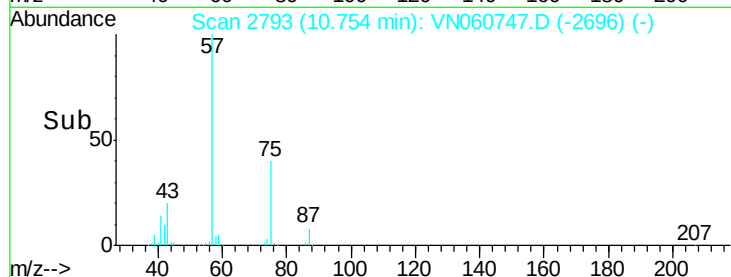
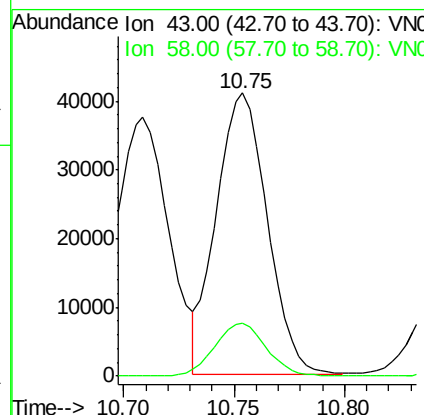
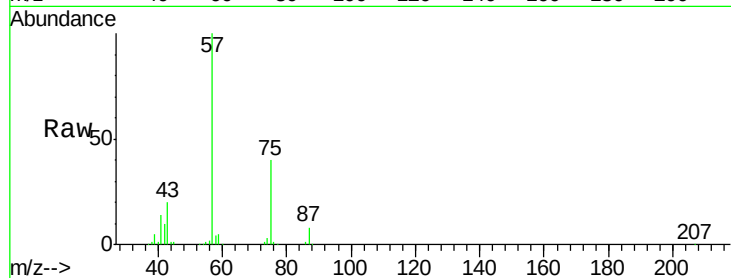




#59
2-Hexanone
Concen: 28.383 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060747.D
Acq: 27 Mar 2020 17:18

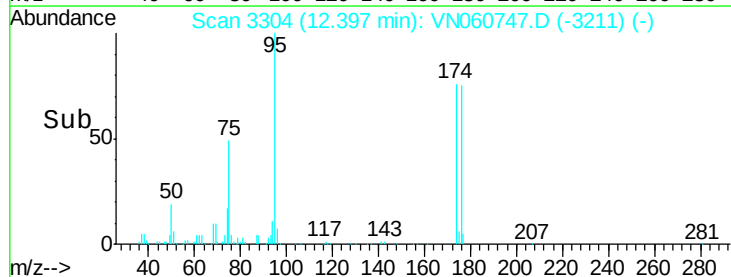
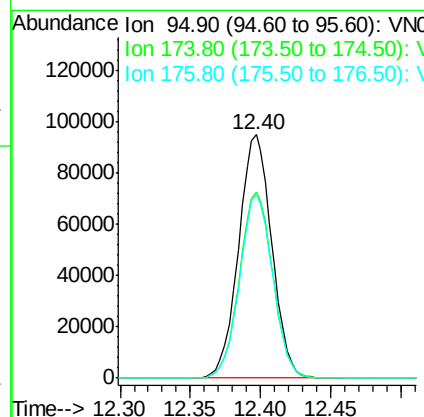
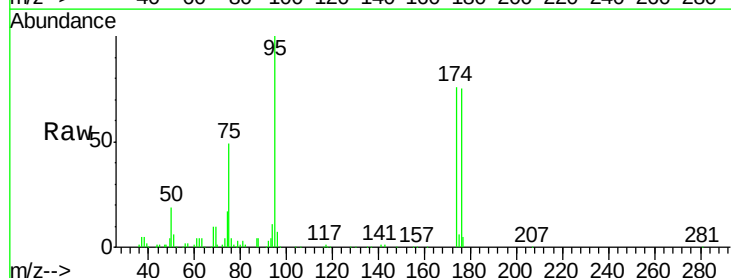
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#12

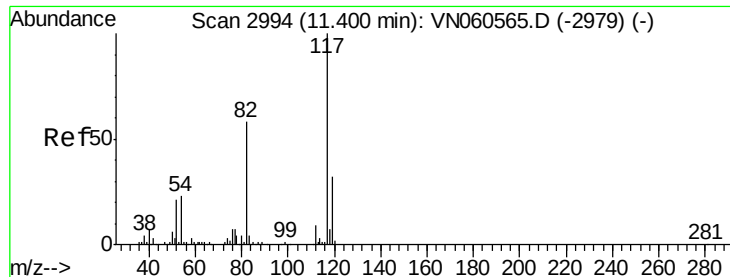
Tgt Ion: 43 Resp: 65378
Ion Ratio Lower Upper
43 100
58 19.0 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 52.990 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060747.D
Acq: 27 Mar 2020 17:18

Tgt Ion: 95 Resp: 156200
Ion Ratio Lower Upper
95 100
174 76.8 0.0 157.6
176 75.4 0.0 150.6

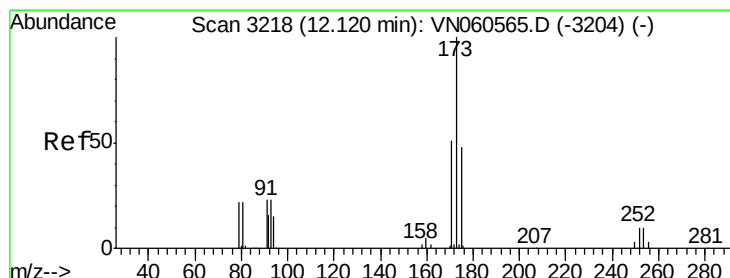
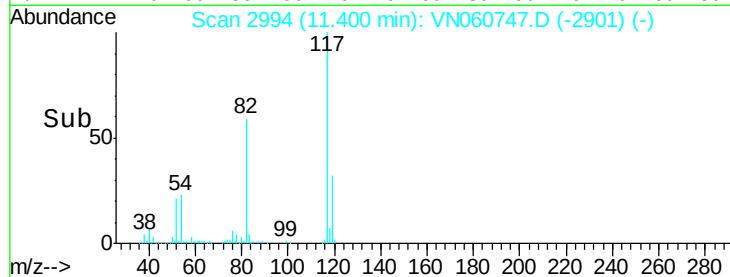
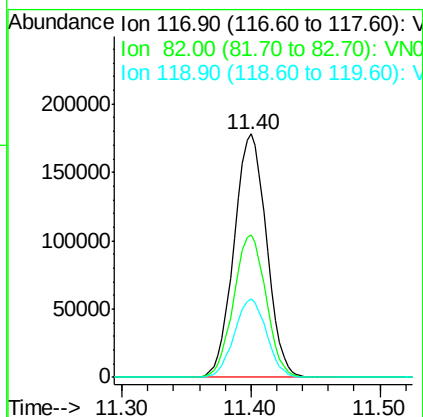
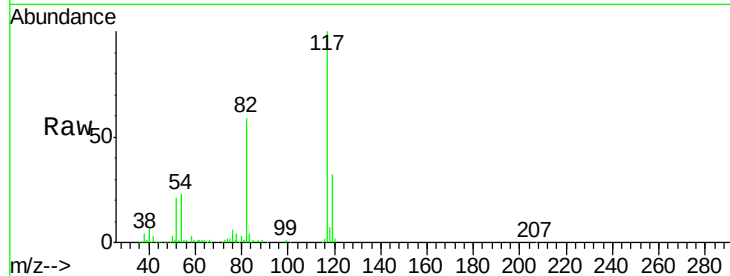




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060747.D
Acq: 27 Mar 2020 17:18

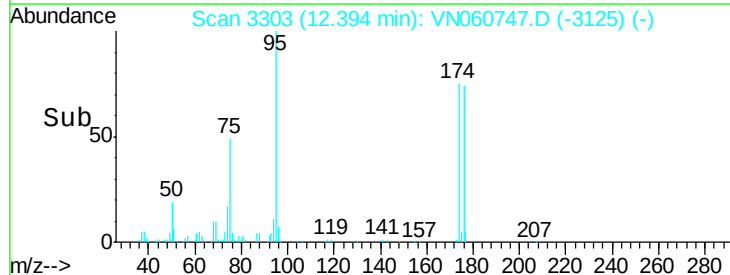
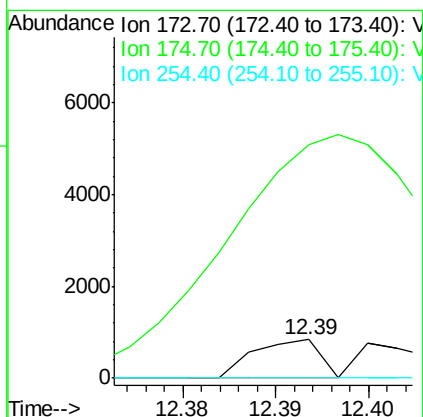
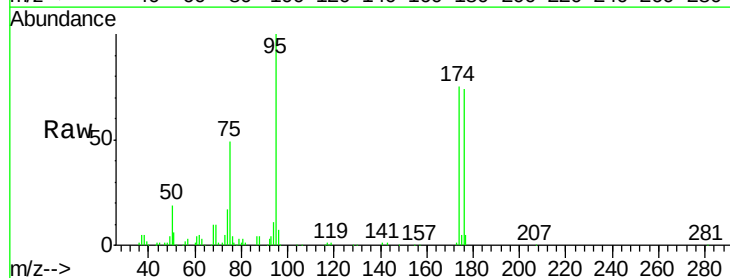
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#12

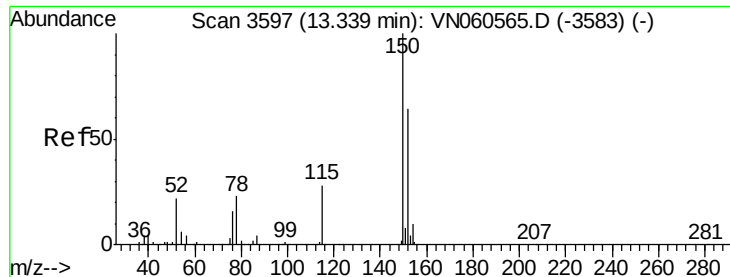
Tgt Ion:117 Resp: 311930
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 32.0 25.5 38.3



#71
Bromoform
Concen: 1.893 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060747.D
Acq: 27 Mar 2020 17:18

Tgt Ion:173 Resp: 410
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#12

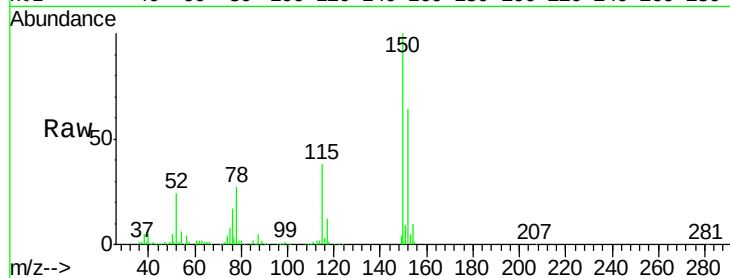
Tgt Ion: 152 Resp: 147350

Ion Ratio Lower Upper

152 100

115 59.2 30.2 90.6

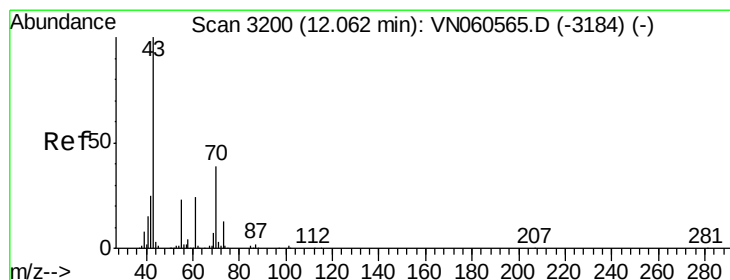
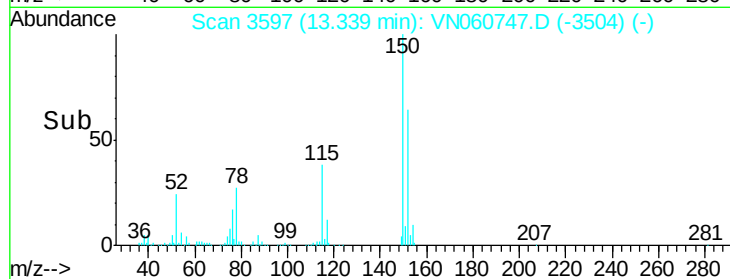
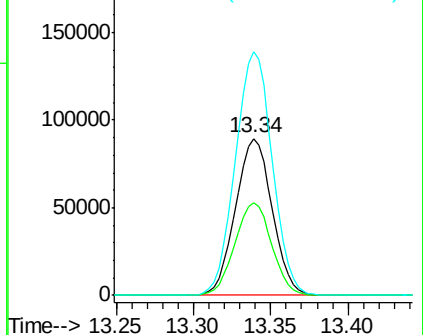
150 156.3 0.0 350.2



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: 0.422 ug/l

RT: 12.02 min Scan# 3186

Delta R.T. -0.05 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

Tgt Ion: 43 Resp: 2156

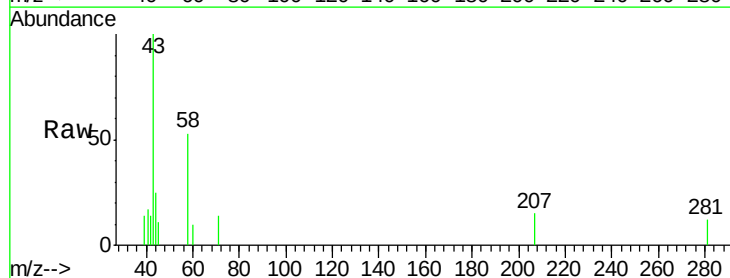
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

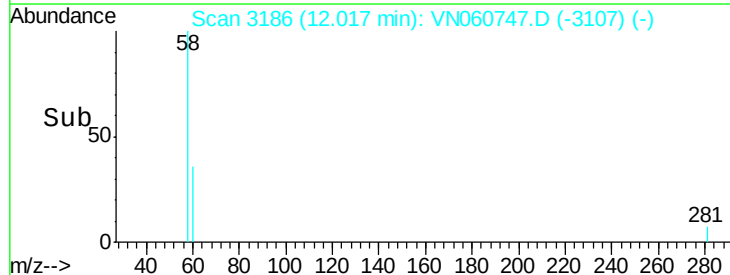
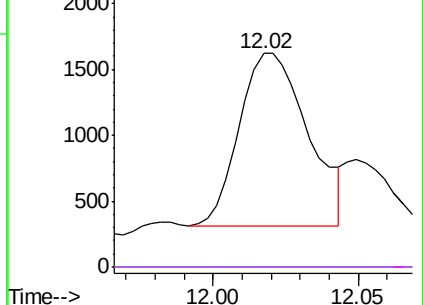


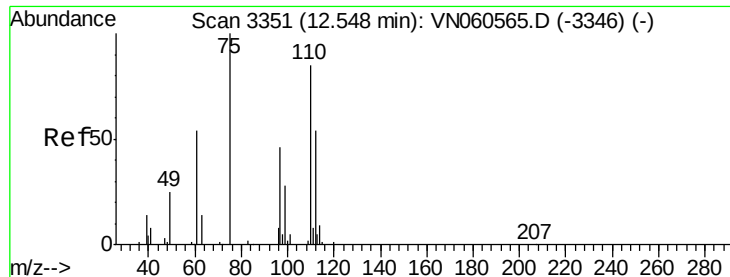
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 24.439 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060747.D

Acq: 27 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

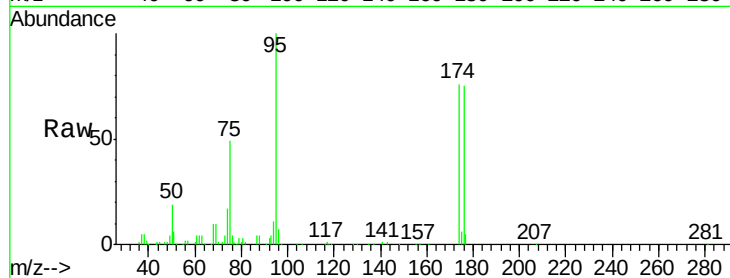
PB127814ZHE#12

Tgt Ion: 75 Resp: 77703

Ion Ratio Lower Upper

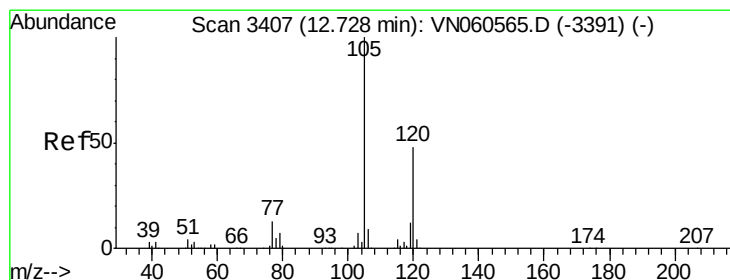
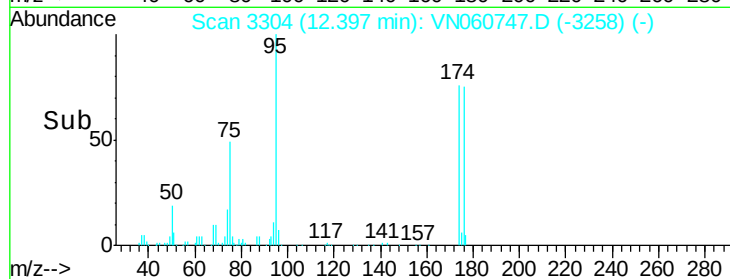
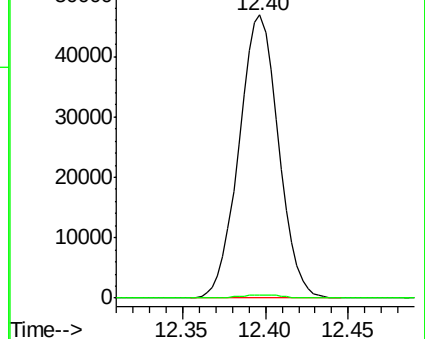
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060747.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060747.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.857 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060747.D

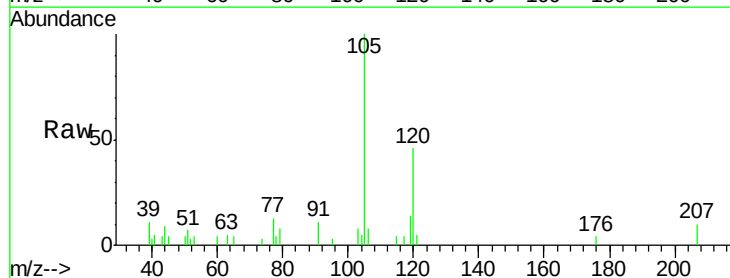
Acq: 27 Mar 2020 17:18

Tgt Ion: 105 Resp: 8046

Ion Ratio Lower Upper

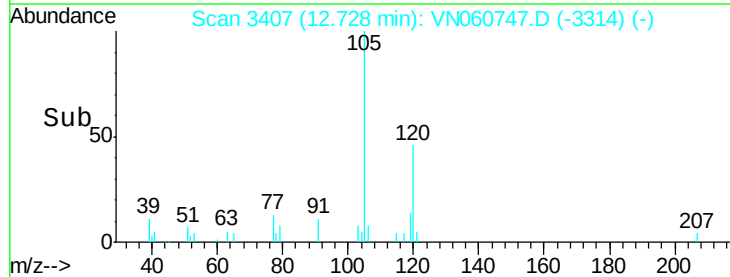
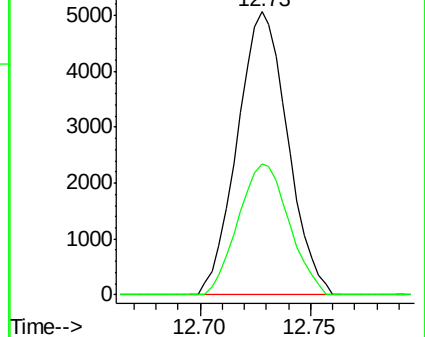
105 100

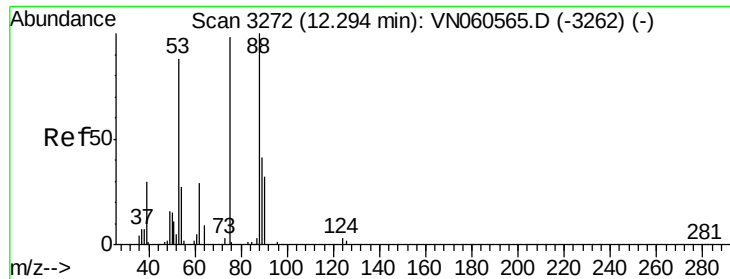
120 46.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060747.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060747.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 62.766 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060747.D

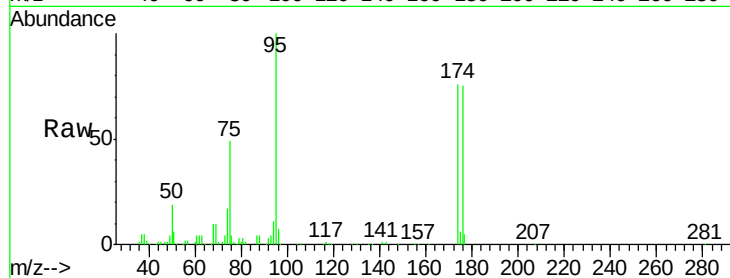
Acq: 27 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#12



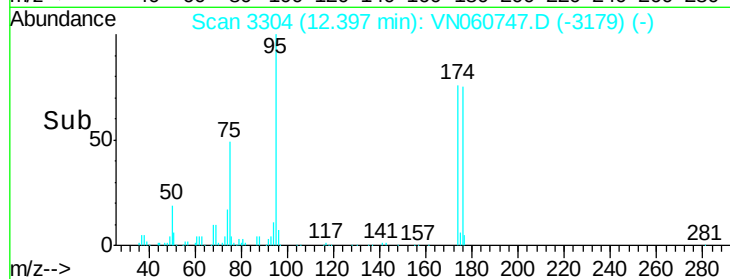
Tgt Ion: 75 Resp: 77703

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

