

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060744.D
 Acq On : 27 Mar 2020 16:01
 Operator : JC/MD
 Sample : PB127814ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#09

Quant Time: Mar 28 02:00:28 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

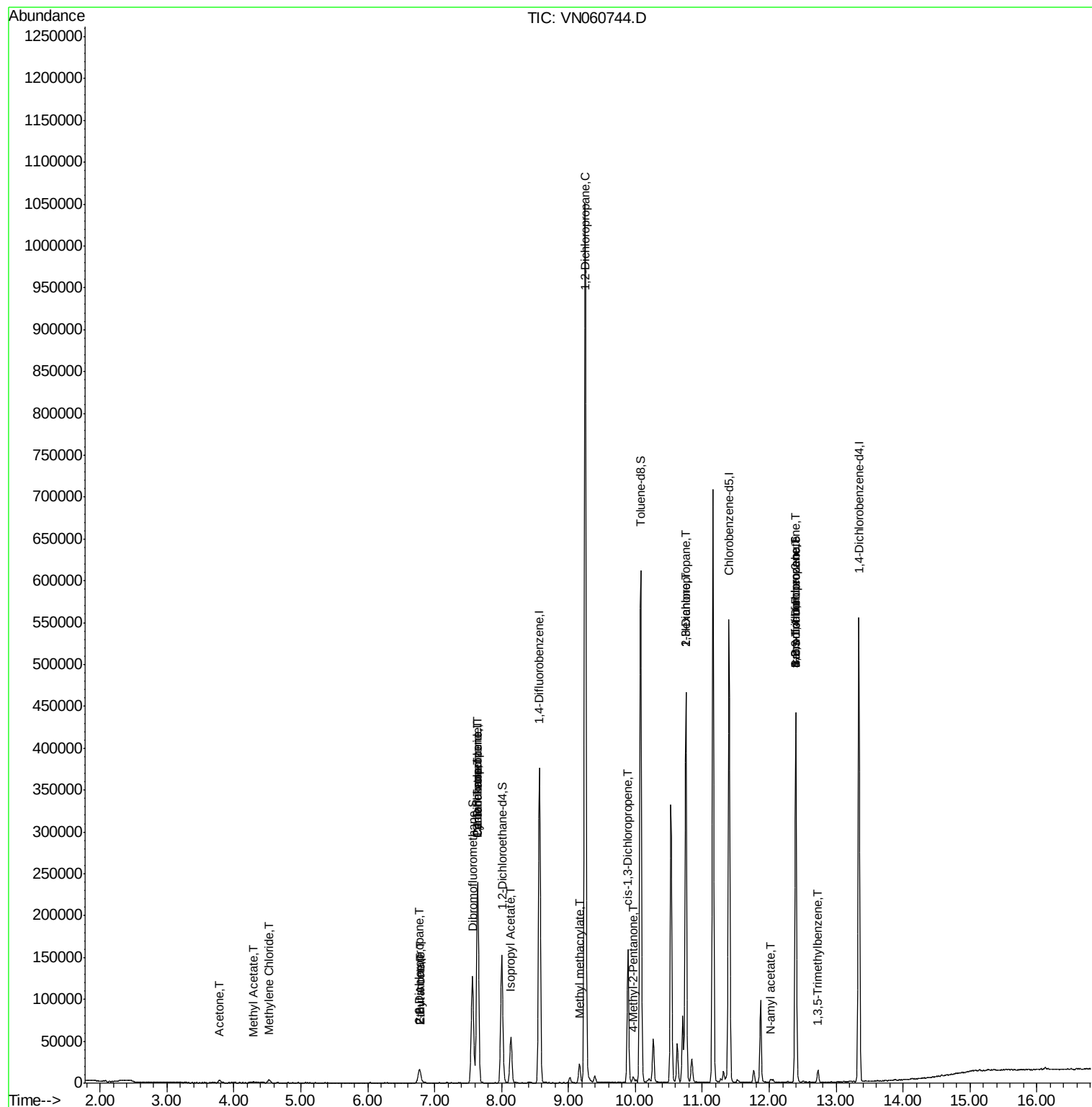
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	130529	48.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.78%	
35) Dibromofluoromethane	7.57	113	98374	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.46%	
50) Toluene-d8	10.08	98	412865	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	156396	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	5659	5.923	ug/l	89
18) Methyl Acetate	4.29	43	2128	0.791	ug/l #	74
20) Methylene Chloride	4.53	84	2635	1.121	ug/l	96
25) 2-Butanone	6.79	43	1091	0.706	ug/l #	50
26) 2,2-Dichloropropane	6.76	77	1097	0.324	ug/l #	53
31) Cyclohexane	7.64	56	4265	0.982	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15578	4.819	ug/l #	49
37) Ethyl Acetate	6.79	43	1091	0.312	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18752	6.472	ug/l #	16
43) Isopropyl Acetate	8.14	43	65359	11.345	ug/l #	92
45) 1,2-Dichloropropane	9.24	63	1222	0.475	ug/l #	43
48) Methyl methacrylate	9.16	41	3378	1.317	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5028	1.534	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	28059	6.883	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4705	1.196	ug/l #	42
59) 2-Hexanone	10.75	43	68599	29.050	ug/l #	52
71) Bromoform	12.40	173	825	2.107	ug/l #	1
74) N-amyl acetate	12.02	43	2402	0.483	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	78161	25.239	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8342	0.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	78161	64.820	ug/l #	13

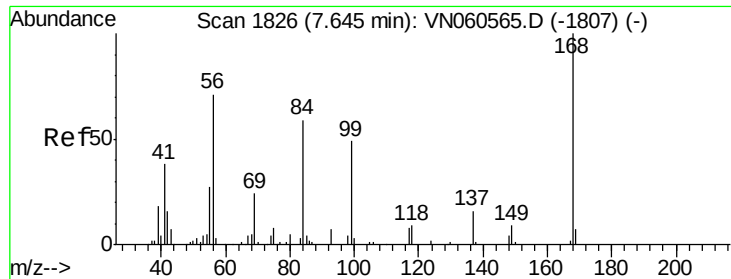
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 08:49:09 2020
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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: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

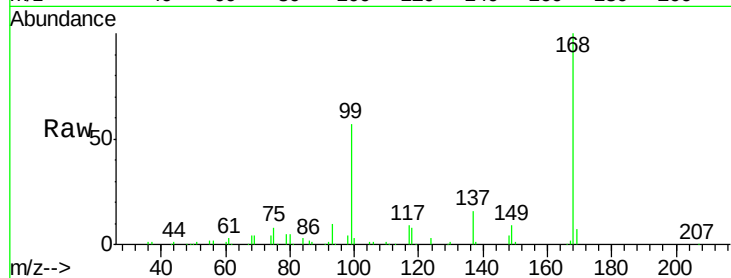
PB127814ZHE#09

Tgt Ion:168 Resp: 196487

Ion Ratio Lower Upper

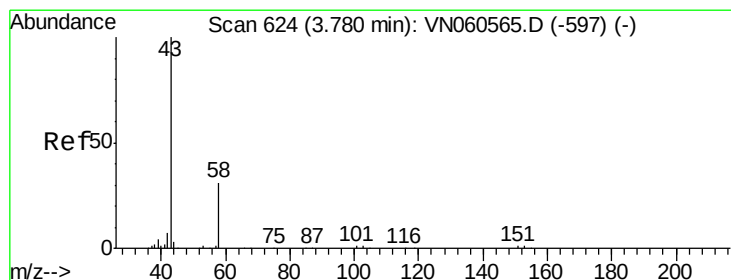
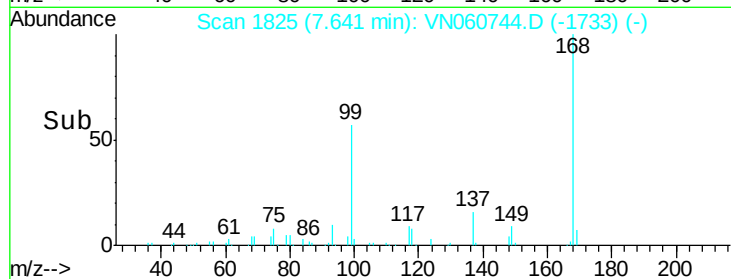
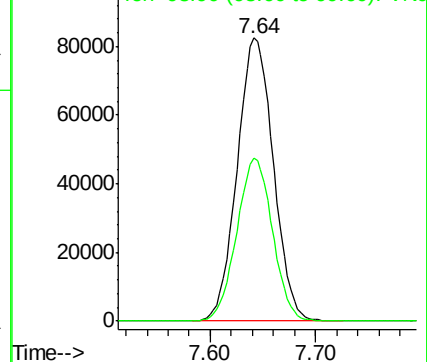
168 100

99 57.4 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: 5.923 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060744.D

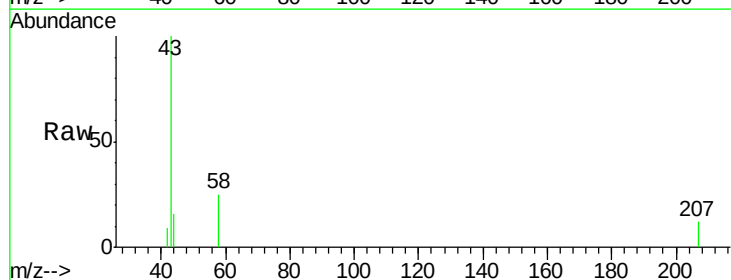
Acq: 27 Mar 2020 16:01

Tgt Ion: 43 Resp: 5659

Ion Ratio Lower Upper

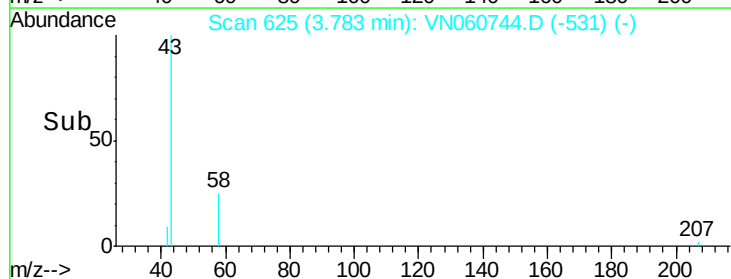
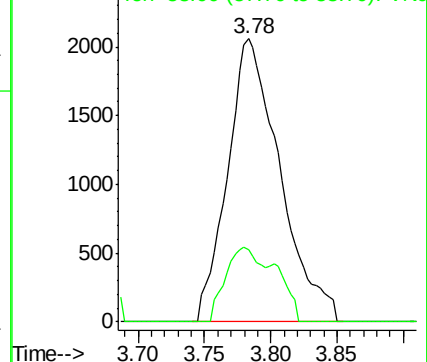
43 100

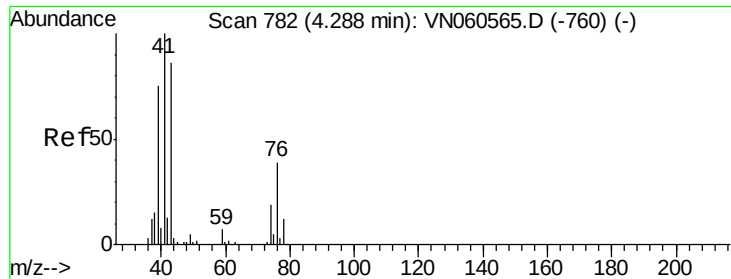
58 25.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#18

Methyl Acetate

Concen: 0.791 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

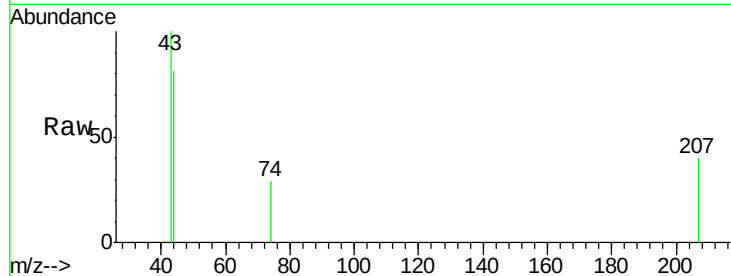
PB127814ZHE#09

Tgt Ion: 43 Resp: 2128

Ion Ratio Lower Upper

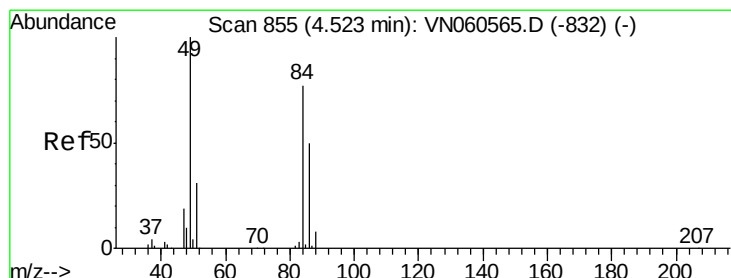
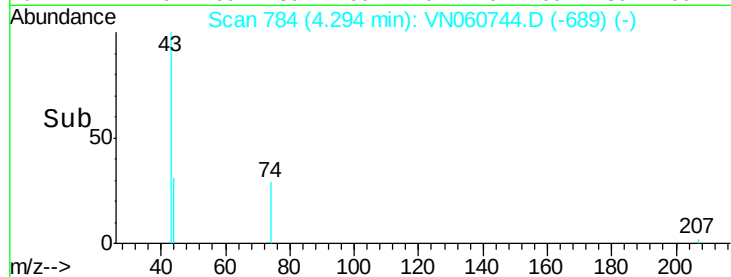
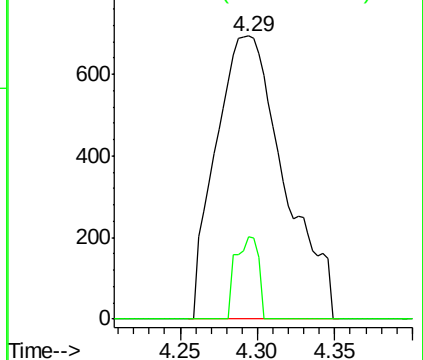
43 100

74 9.4 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 1.121 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Tgt Ion: 84 Resp: 2635

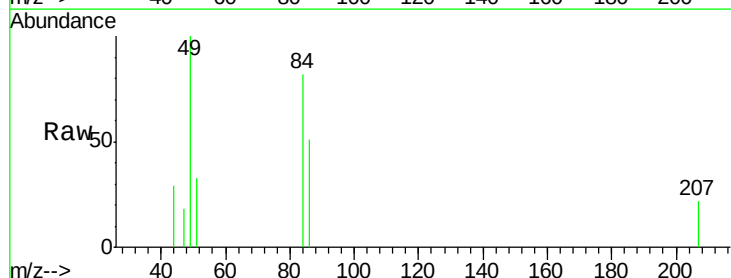
Ion Ratio Lower Upper

84 100

49 122.7 103.3 154.9

51 40.3 31.6 47.4

86 62.9 52.0 78.0

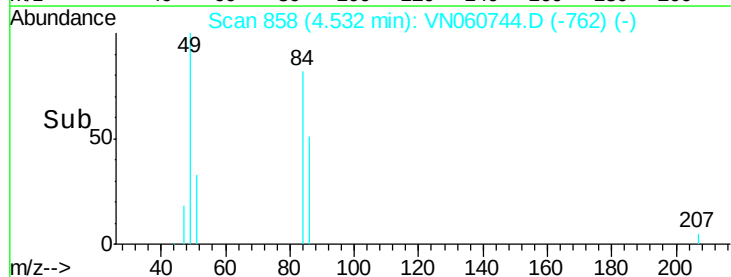
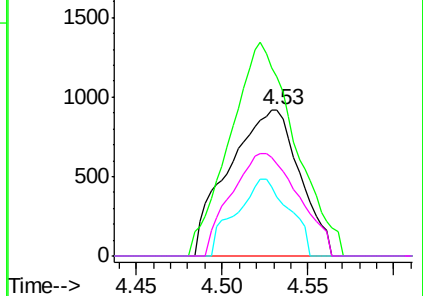


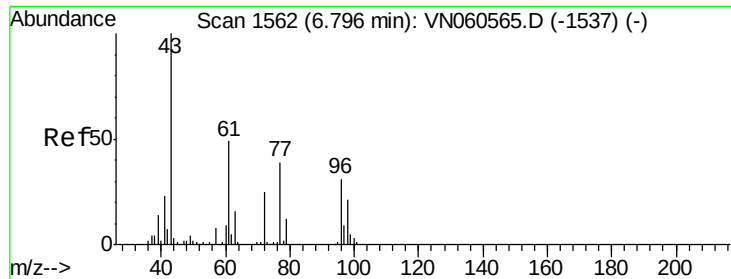
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#25

2-Butanone

Concen: 0.706 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

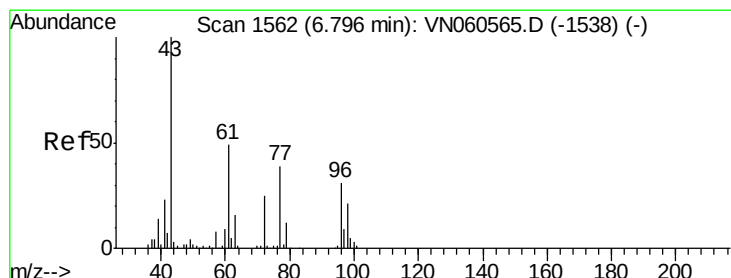
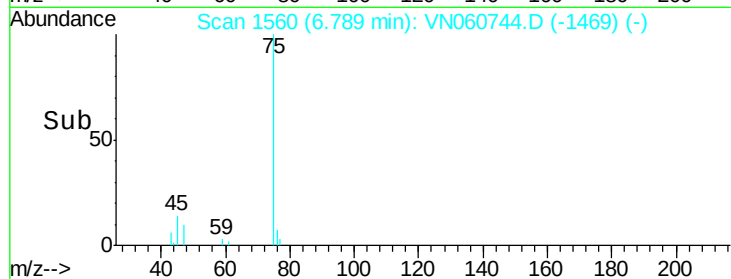
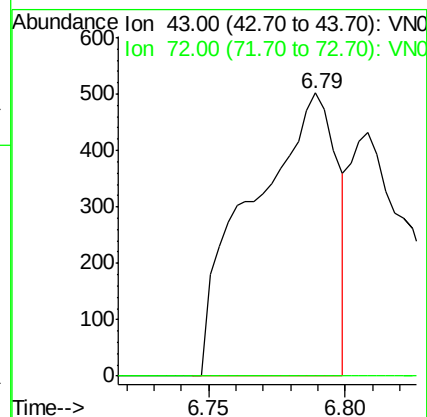
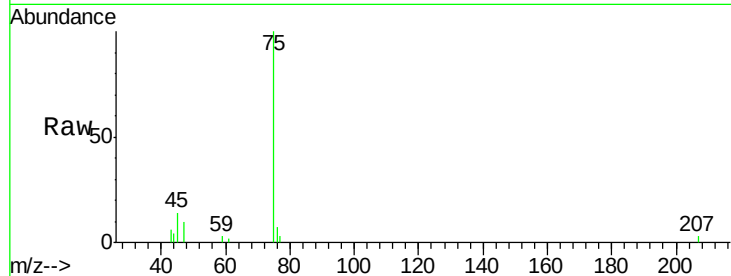
PB127814ZHE#09

Tgt Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#26

2,2-Dichloropropane

Concen: 0.324 ug/l

RT: 6.76 min Scan# 1552

Delta R.T. -0.03 min

Lab File: VN060744.D

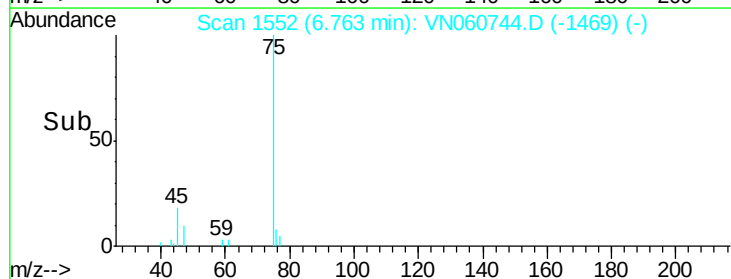
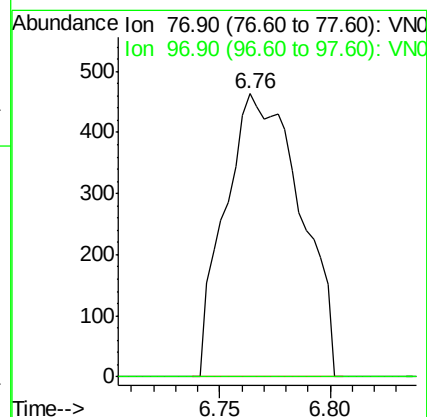
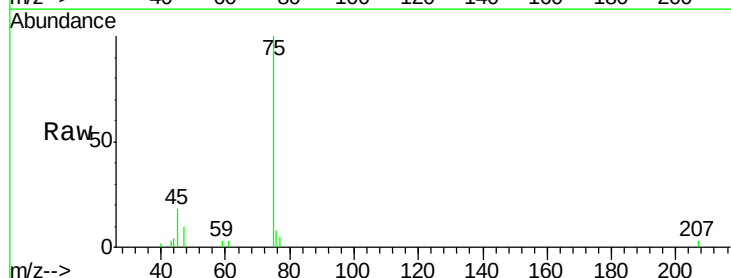
Acq: 27 Mar 2020 16:01

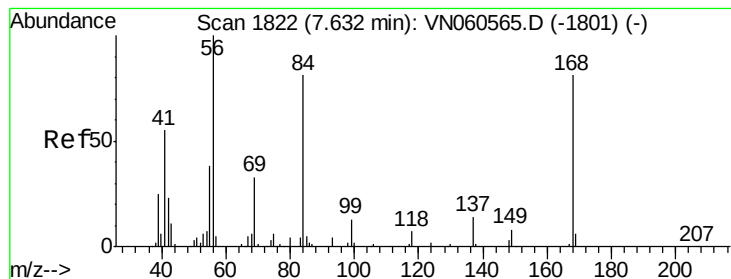
Tgt Ion: 77 Resp: 1097

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#





#31

Cyclohexane

Concen: 0.982 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#09

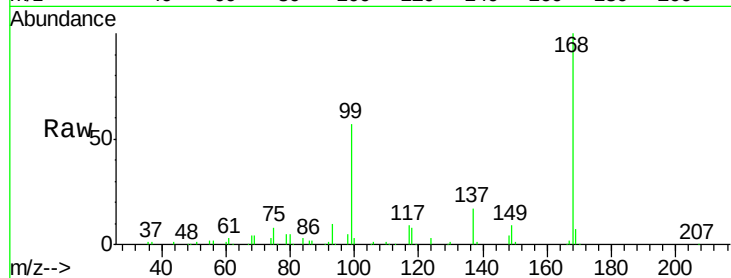
Tgt Ion: 56 Resp: 4265

Ion Ratio Lower Upper

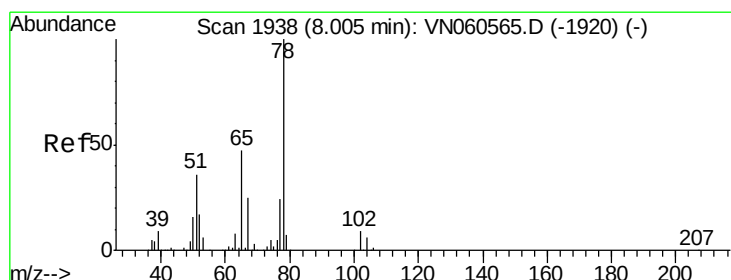
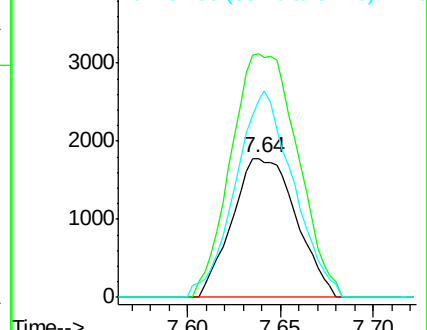
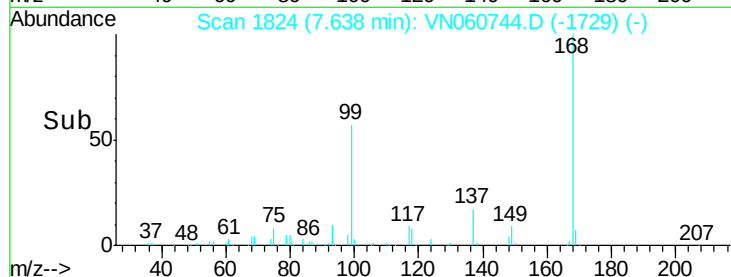
56 100

69 175.3 26.6 40.0#

84 142.1 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060744.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.392 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060744.D

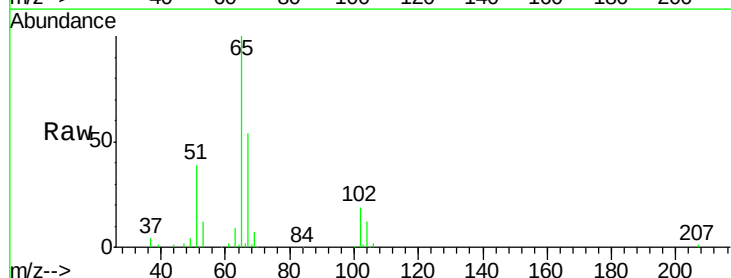
Acq: 27 Mar 2020 16:01

Tgt Ion: 65 Resp: 130529

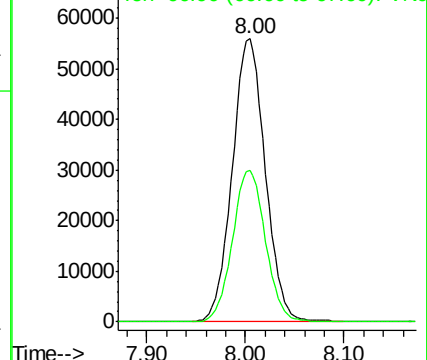
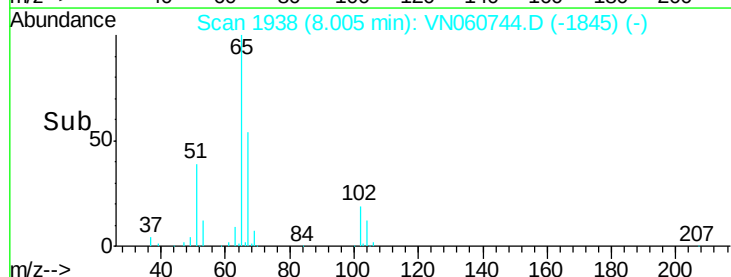
Ion Ratio Lower Upper

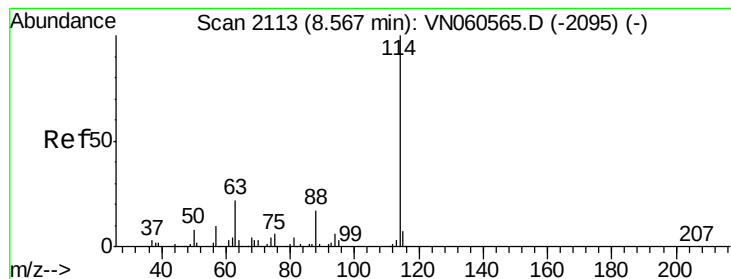
65 100

67 53.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060744.D (-1845) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#09

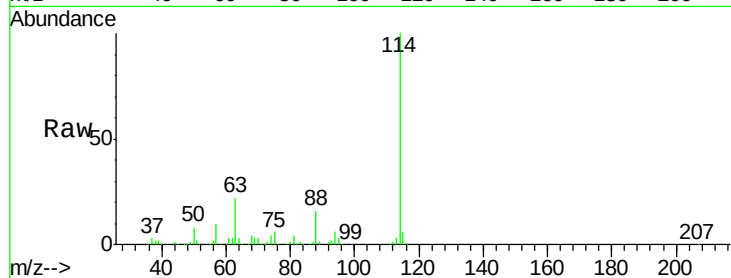
Tgt Ion:114 Resp: 333859

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

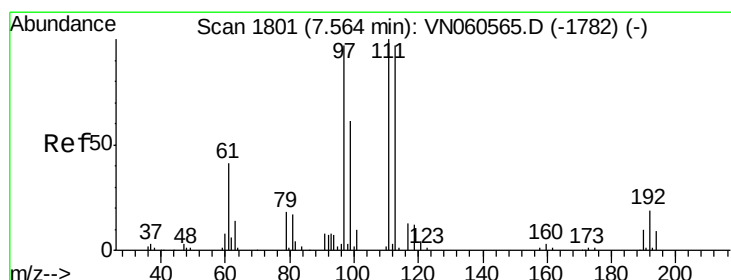
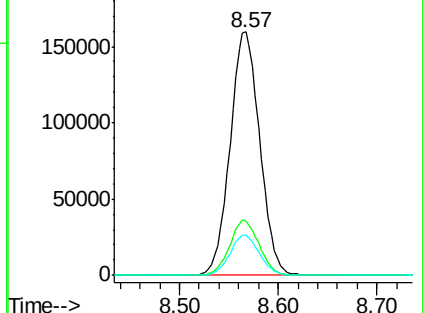
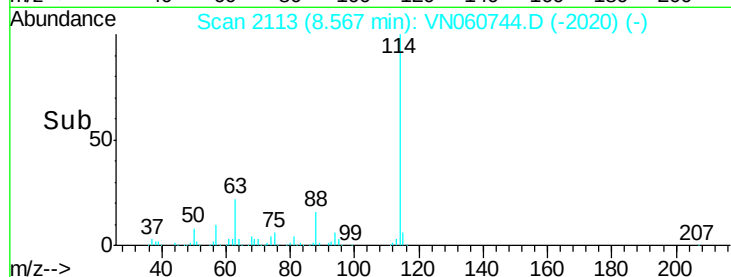
88 16.4 0.0 33.0



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: 48.730 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

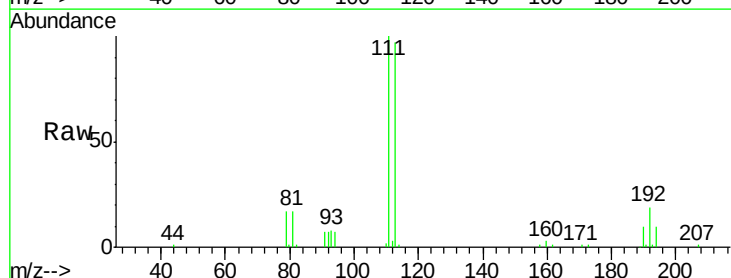
Tgt Ion:113 Resp: 98374

Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

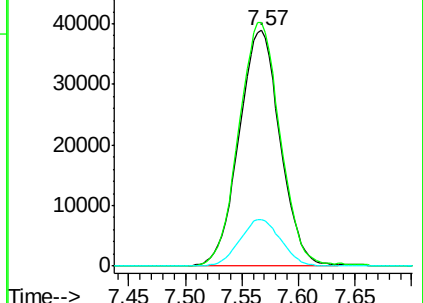
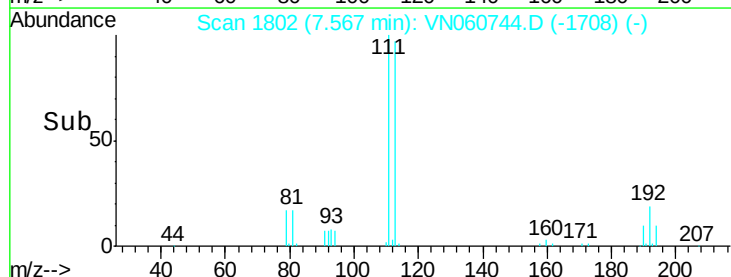
192 19.8 15.8 23.8

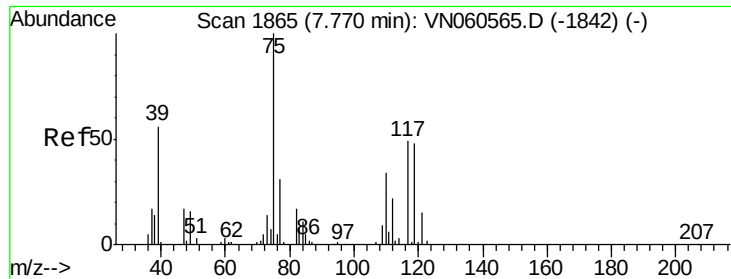


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

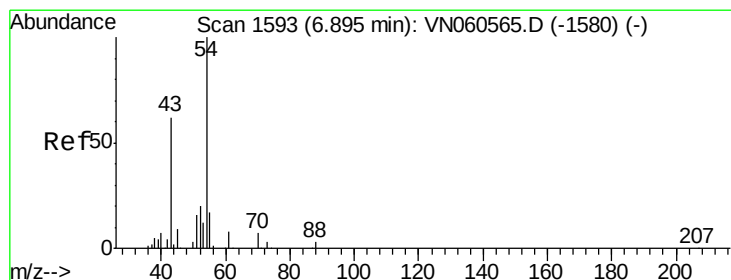
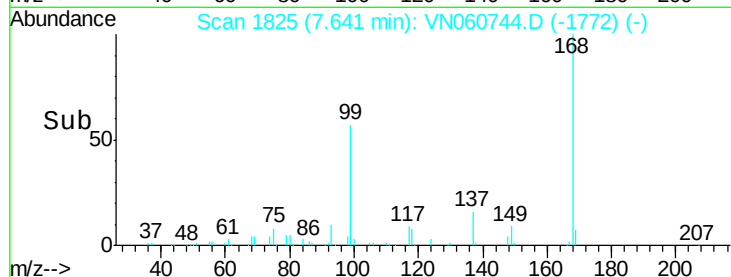
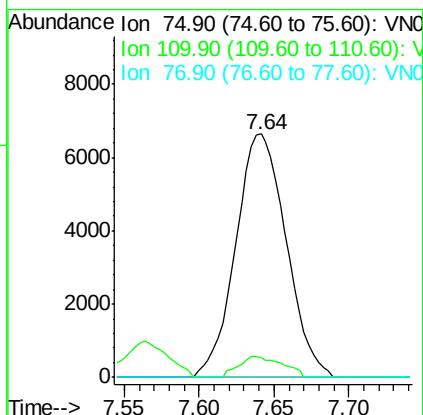
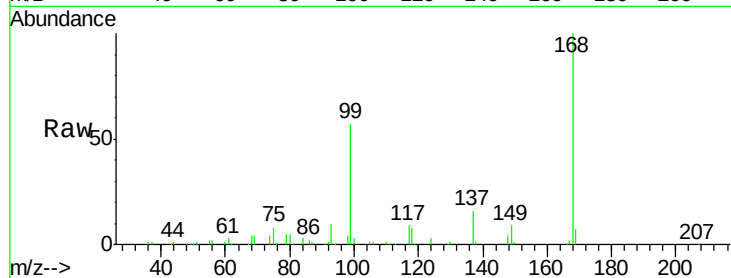




#36
 1,1-Dichloropropene
 Concen: 4.819 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060744.D
 Acq: 27 Mar 2020 16:01

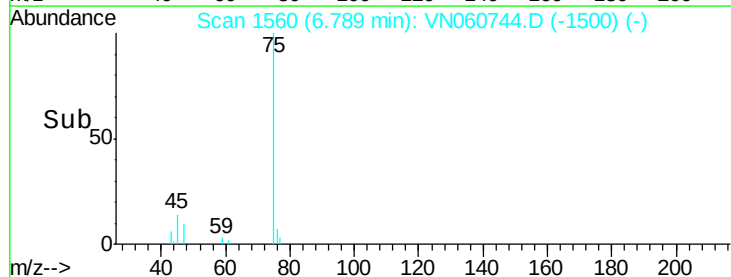
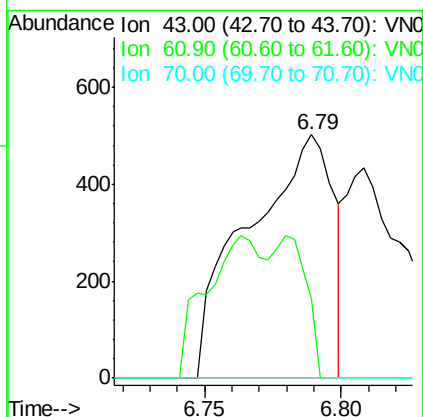
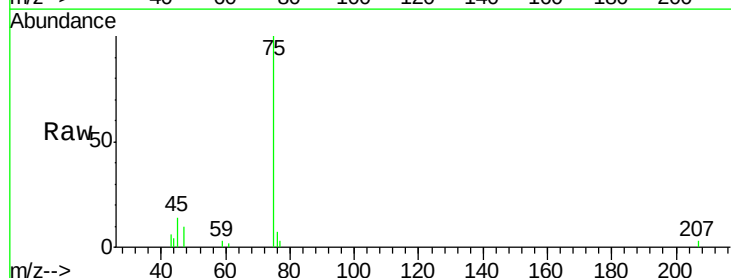
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#09

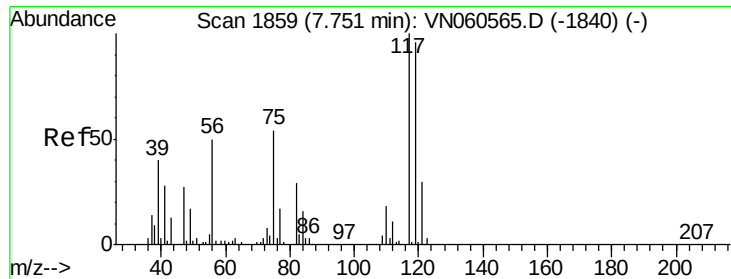
Tgt Ion: 75 Resp: 15578
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.9 50.6#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 0.312 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.11 min
 Lab File: VN060744.D
 Acq: 27 Mar 2020 16:01

Tgt Ion: 43 Resp: 1091
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 6.472 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#09

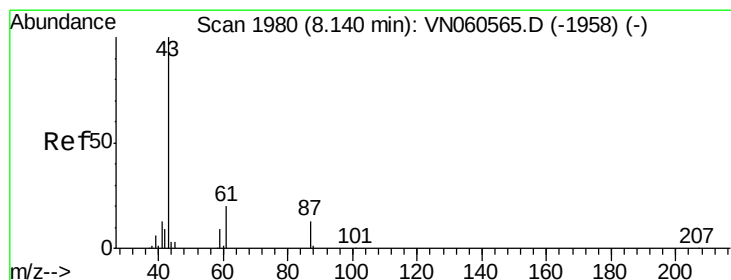
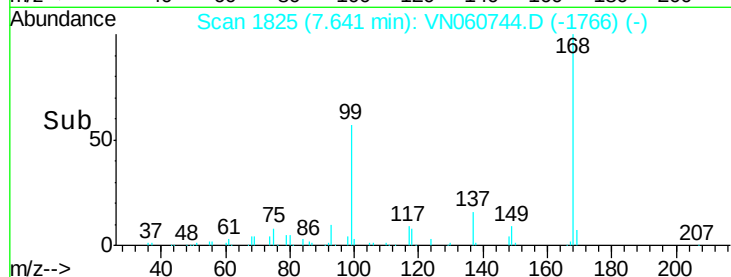
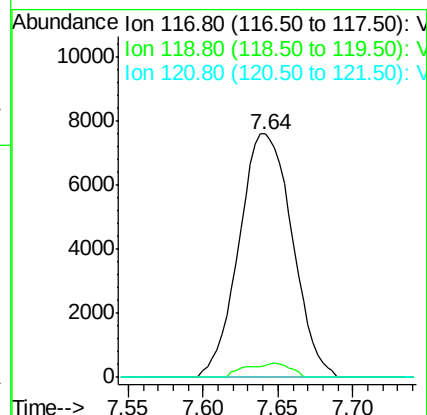
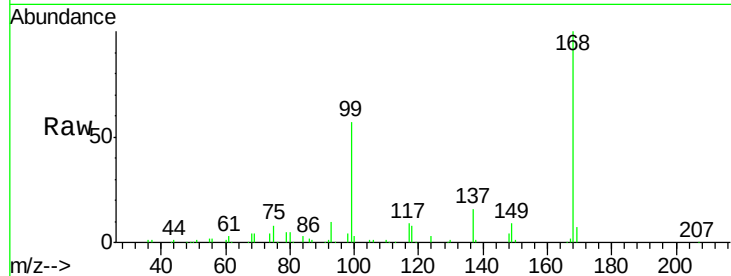
Tgt Ion:117 Resp: 18752

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

121 0.0 23.7 35.5#



#43

Isopropyl Acetate

Concen: 11.345 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

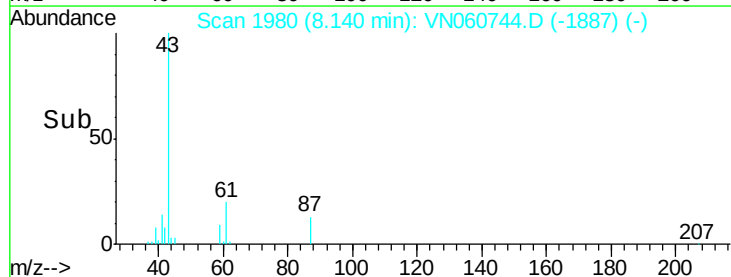
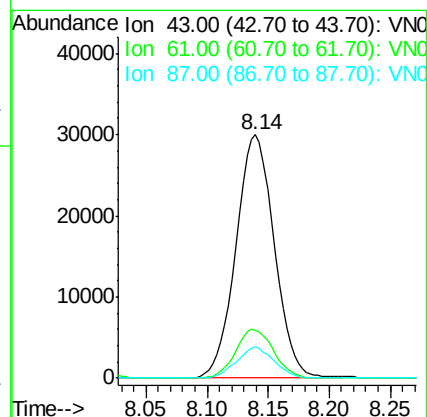
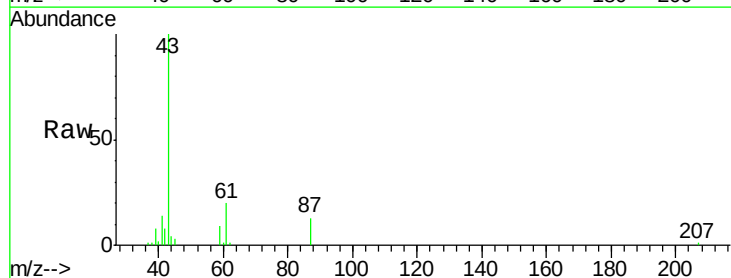
Tgt Ion: 43 Resp: 65359

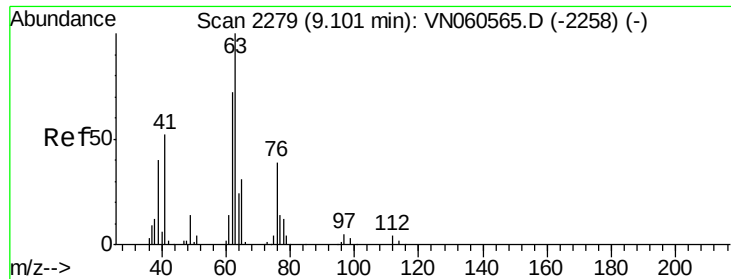
Ion Ratio Lower Upper

43 100

61 19.8 20.7 31.1#

87 12.3 9.8 14.8

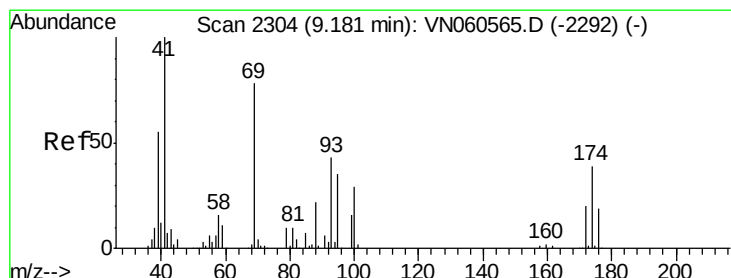
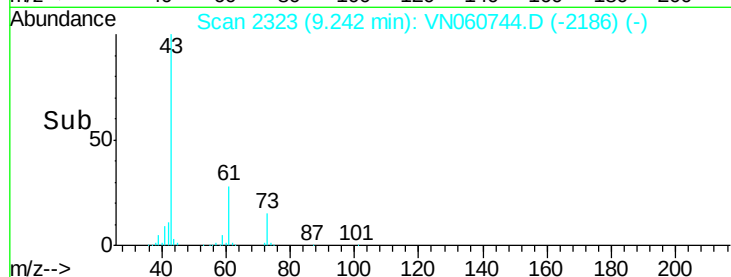
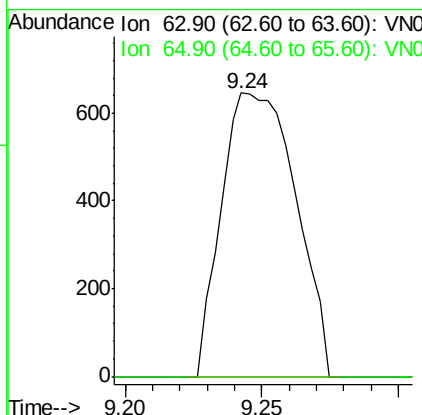
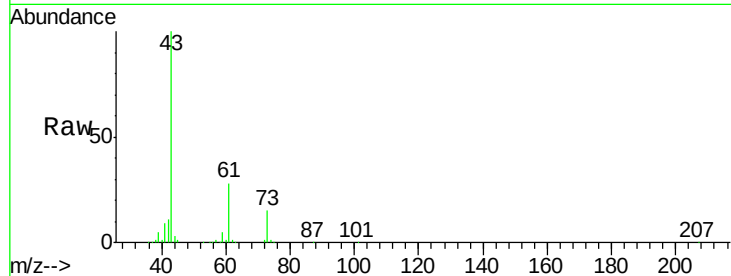




#45
 1,2-Dichloropropane
 Concen: 0.475 ug/l
 RT: 9.24 min Scan# 2323
 Delta R.T. 0.14 min
 Lab File: VN060744.D
 Acq: 27 Mar 2020 16:01

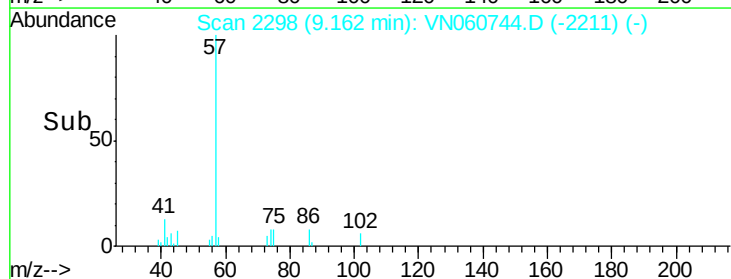
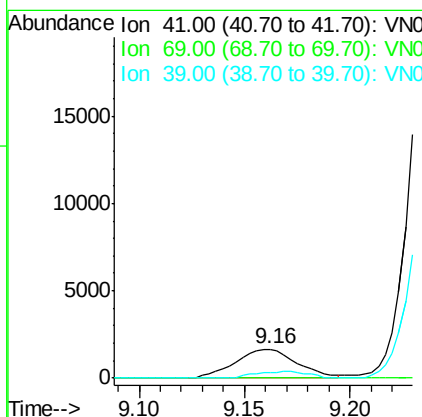
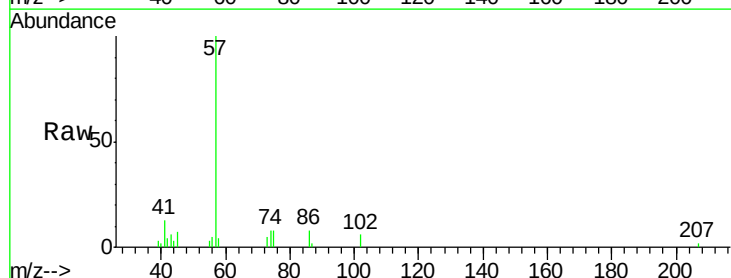
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#09

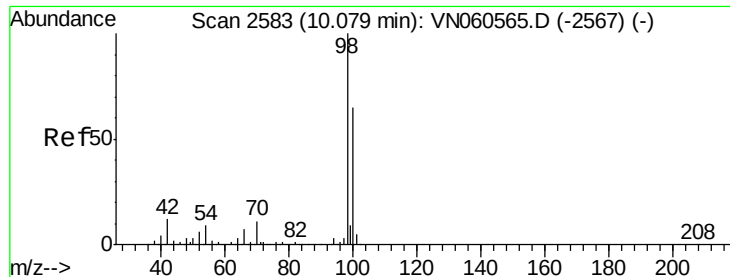
Tgt Ion: 63 Resp: 1222
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.317 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060744.D
 Acq: 27 Mar 2020 16:01

Tgt Ion: 41 Resp: 3378
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.070 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

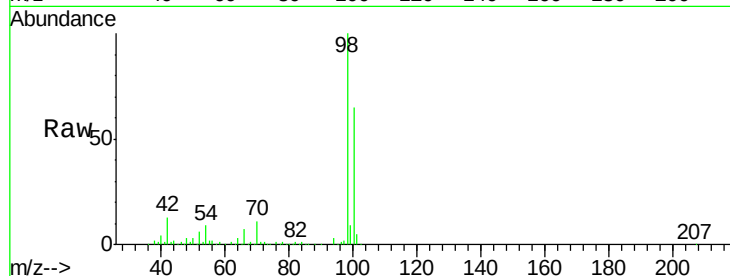
PB127814ZHE#09

Tgt Ion: 98 Resp: 412865

Ion Ratio Lower Upper

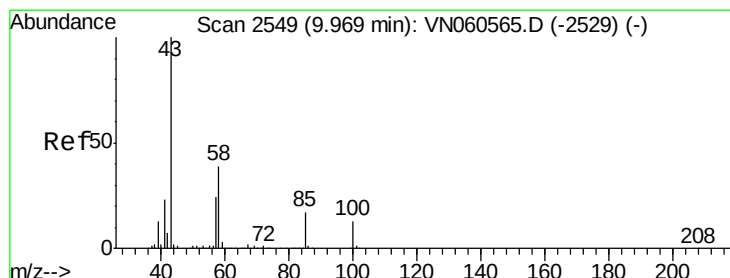
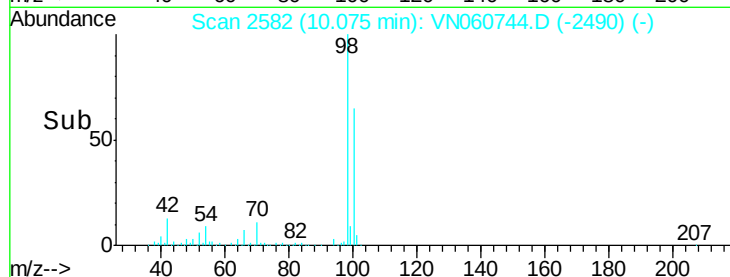
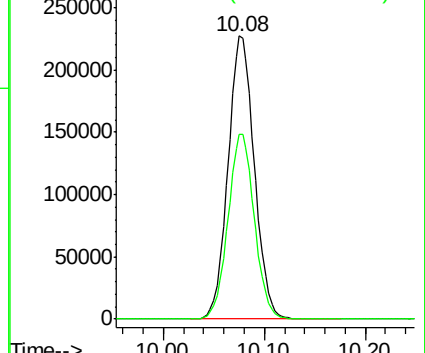
98 100

100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.534 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060744.D

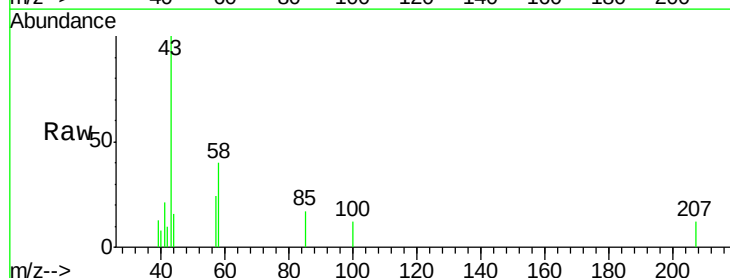
Acq: 27 Mar 2020 16:01

Tgt Ion: 43 Resp: 5028

Ion Ratio Lower Upper

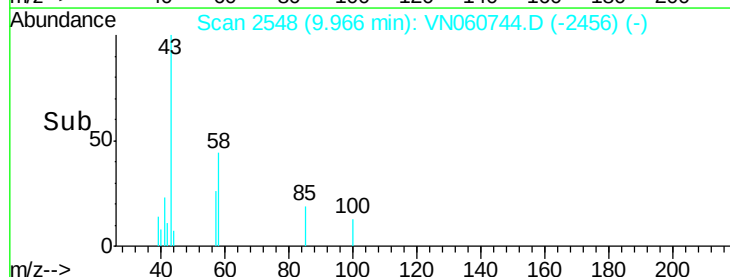
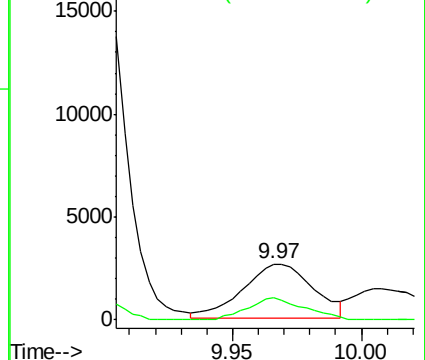
43 100

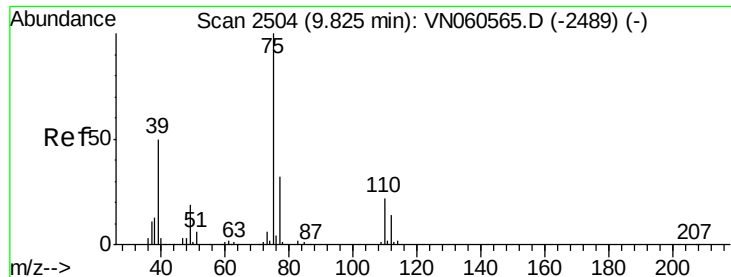
58 32.7 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 6.883 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#09

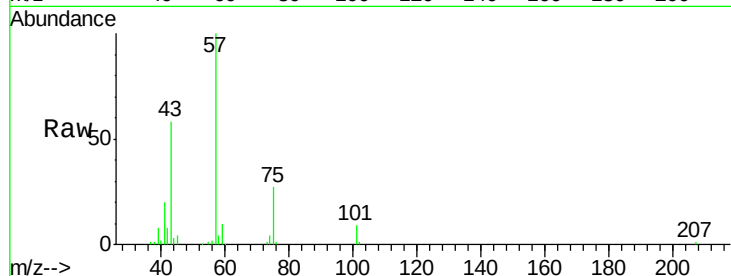
Tgt Ion: 75 Resp: 28059

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

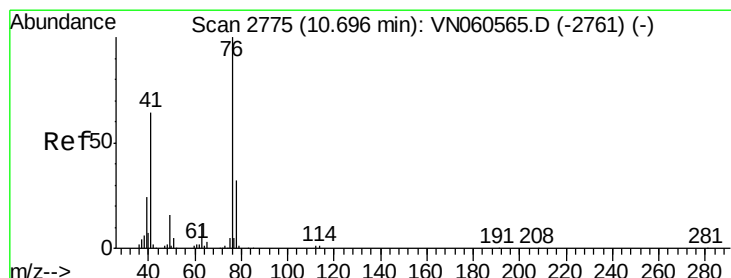
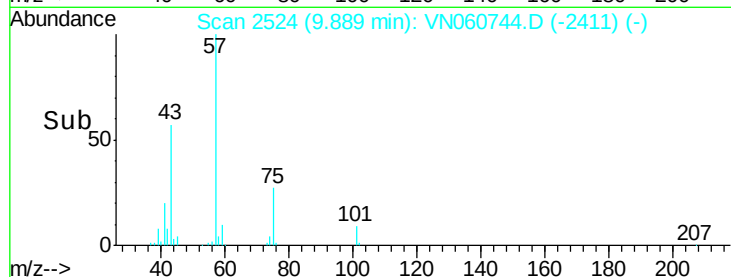
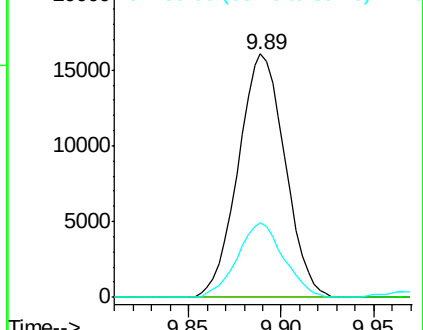
39 30.5 40.2 60.4#



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: 1.196 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060744.D

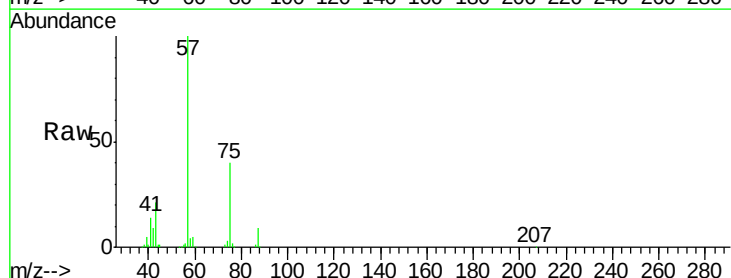
Acq: 27 Mar 2020 16:01

Tgt Ion: 76 Resp: 4705

Ion Ratio Lower Upper

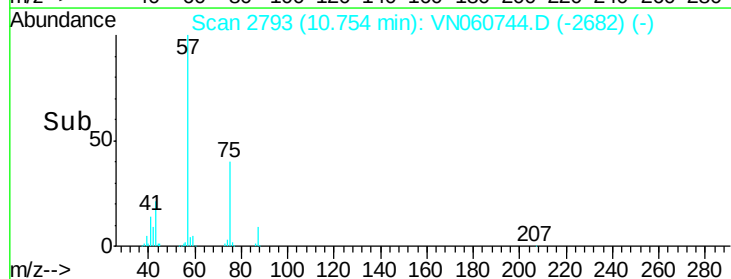
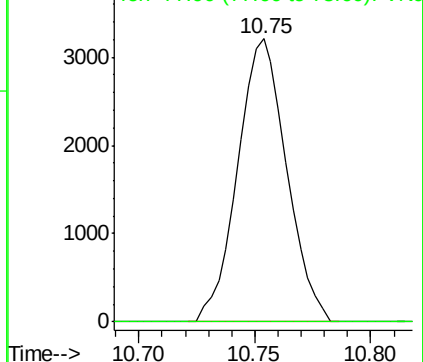
76 100

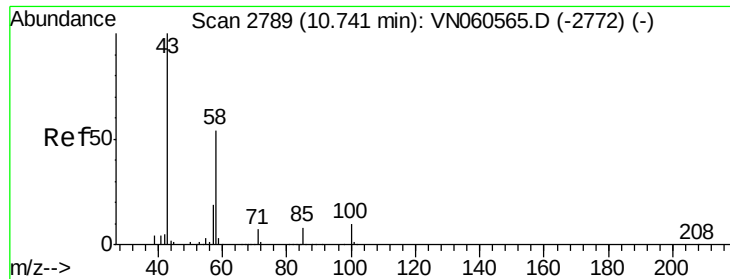
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

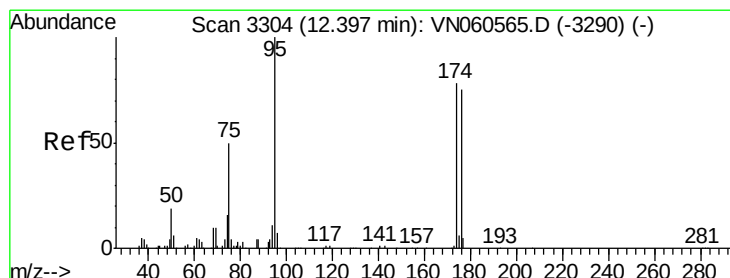
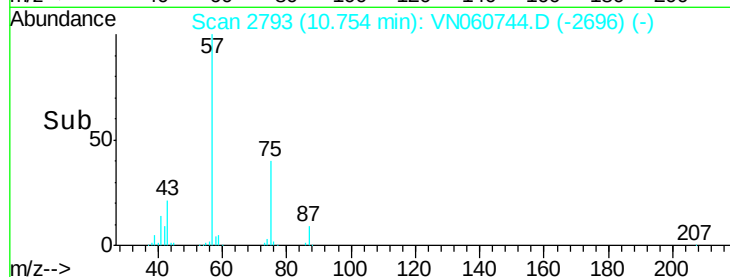
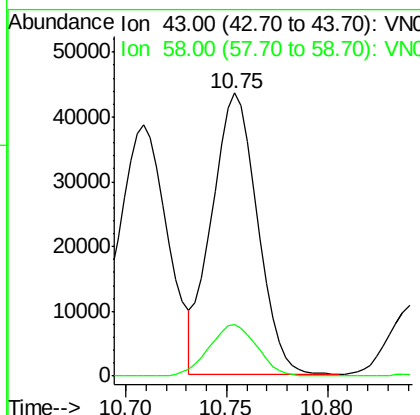
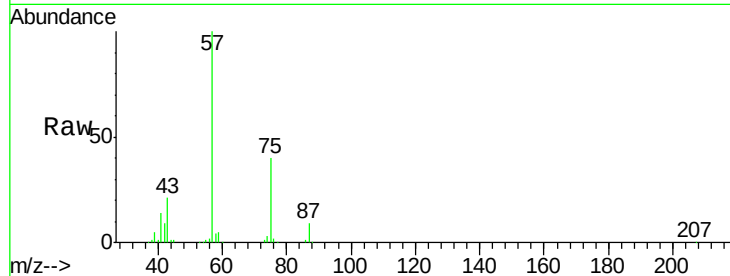




#59
2-Hexanone
Concen: 29.050 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060744.D
Acq: 27 Mar 2020 16:01

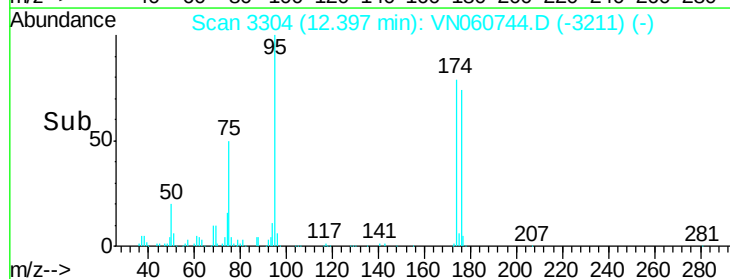
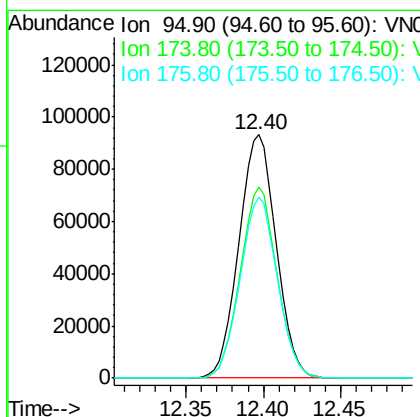
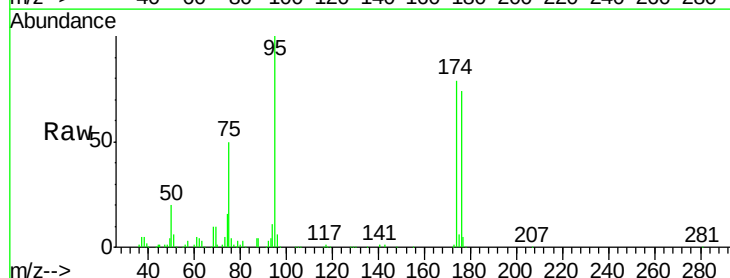
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#09

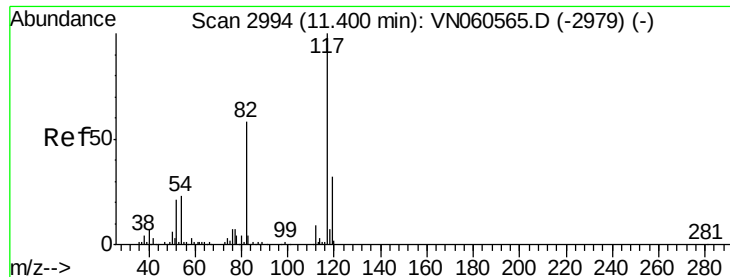
Tgt Ion: 43 Resp: 68599
Ion Ratio Lower Upper
43 100
58 19.1 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.753 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060744.D
Acq: 27 Mar 2020 16:01

Tgt Ion: 95 Resp: 156396
Ion Ratio Lower Upper
95 100
174 77.1 0.0 157.6
176 74.3 0.0 150.6

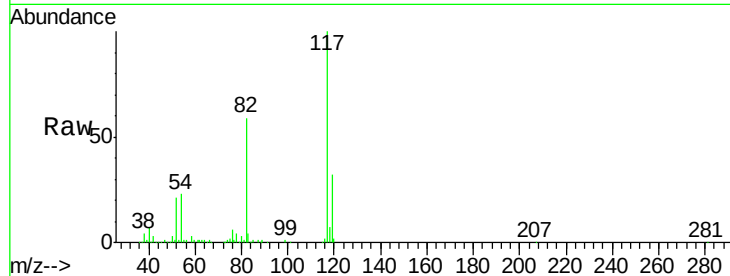




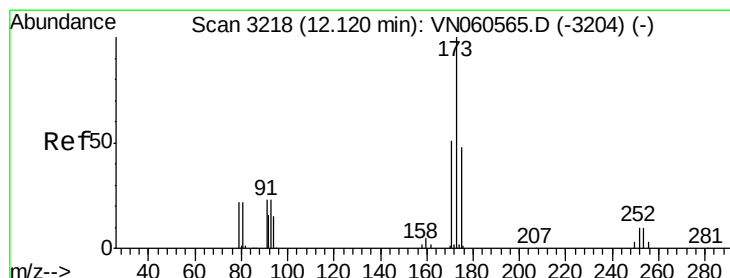
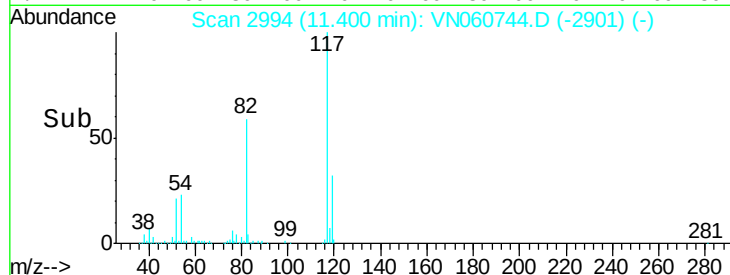
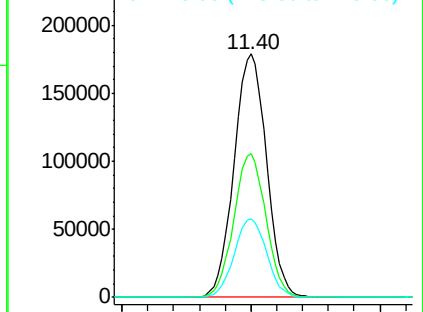
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060744.D
Acq: 27 Mar 2020 16:01

Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#09

Tgt Ion:117 Resp: 313407
Ion Ratio Lower Upper
117 100
82 58.8 46.7 70.1
119 32.5 25.5 38.3

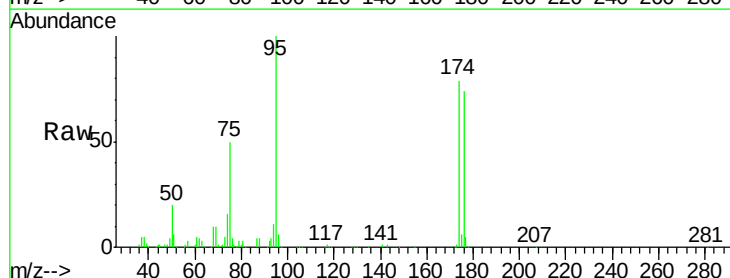


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

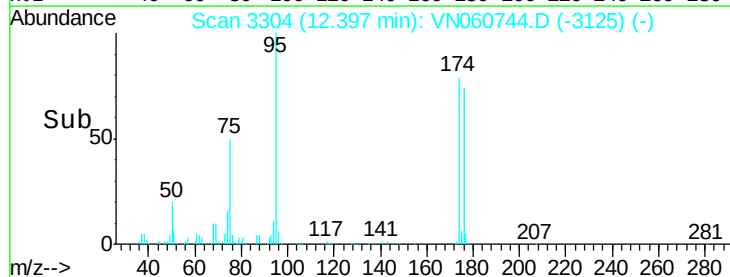
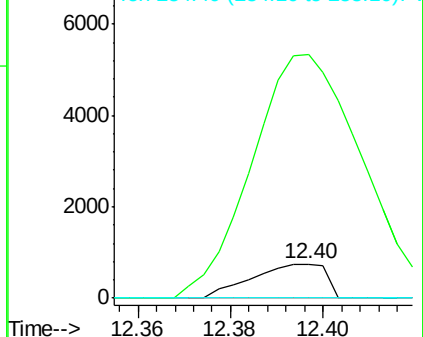


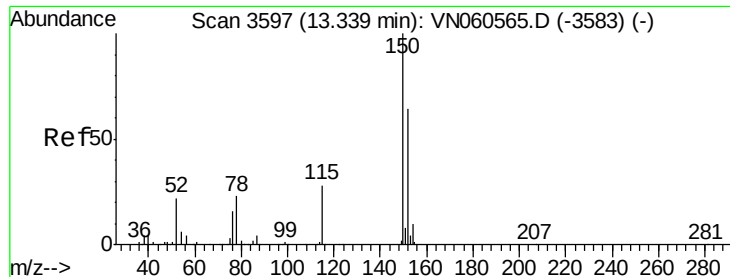
#71
Bromoform
Concen: 2.107 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060744.D
Acq: 27 Mar 2020 16:01

Tgt Ion:173 Resp: 825
Ion Ratio Lower Upper
173 100
175 898.3 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

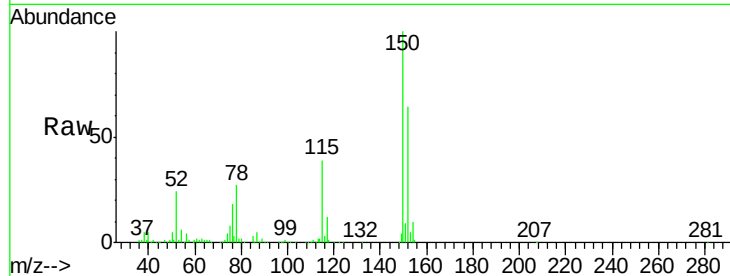




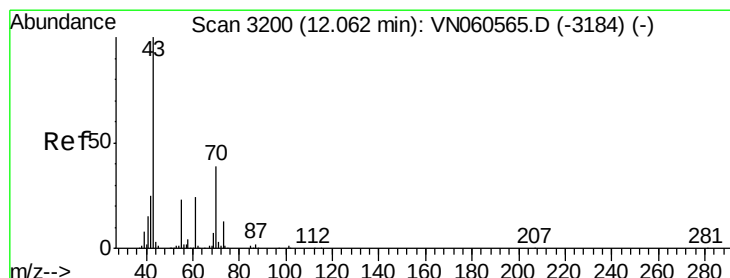
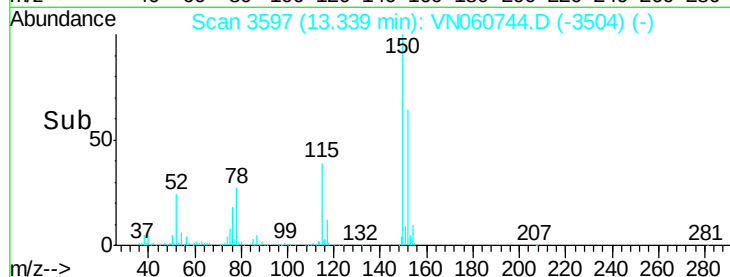
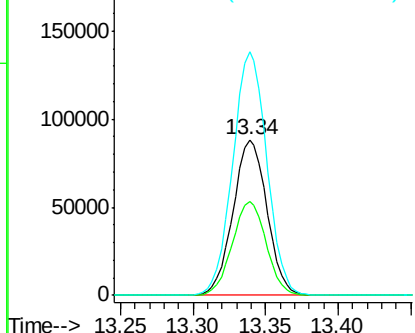
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN060744.D
 Acq: 27 Mar 2020 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#09

Tgt Ion: 152 Resp: 143521
 Ion Ratio Lower Upper
 152 100
 115 60.2 30.2 90.6
 150 156.9 0.0 350.2

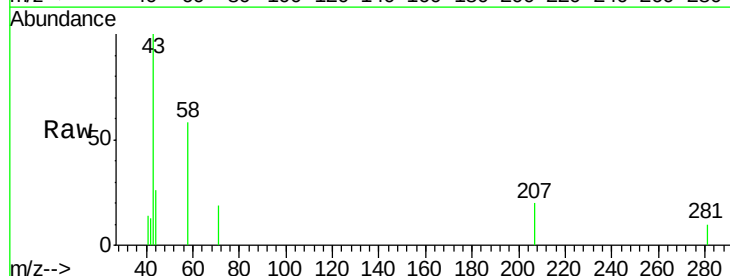


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

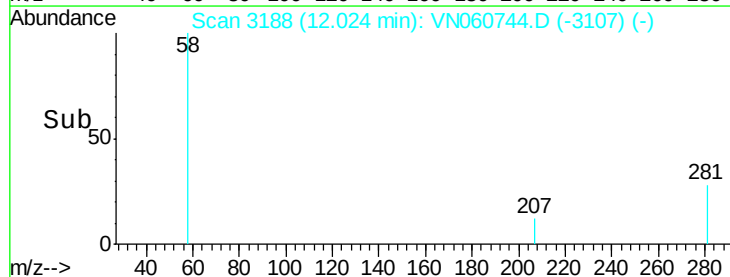
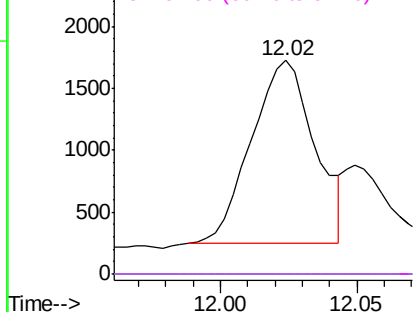


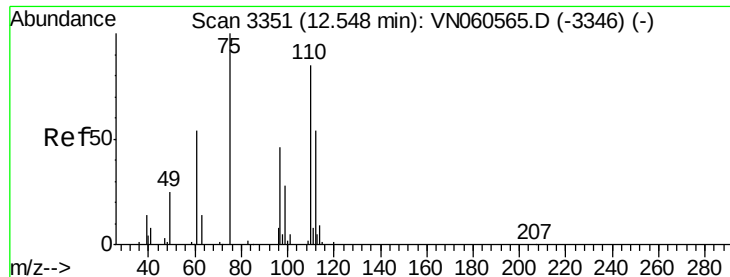
#74
 N-ethyl acetate
 Concen: 0.483 ug/l
 RT: 12.02 min Scan# 3188
 Delta R.T. -0.04 min
 Lab File: VN060744.D
 Acq: 27 Mar 2020 16:01

Tgt Ion: 43 Resp: 2402
 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: 25.239 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

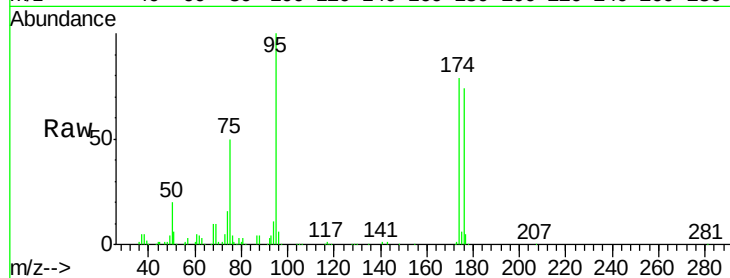
PB127814ZHE#09

Tgt Ion: 75 Resp: 78161

Ion Ratio Lower Upper

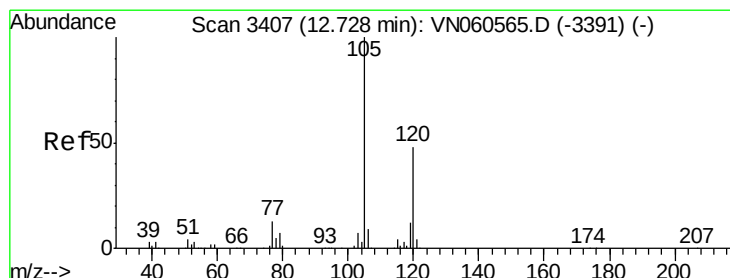
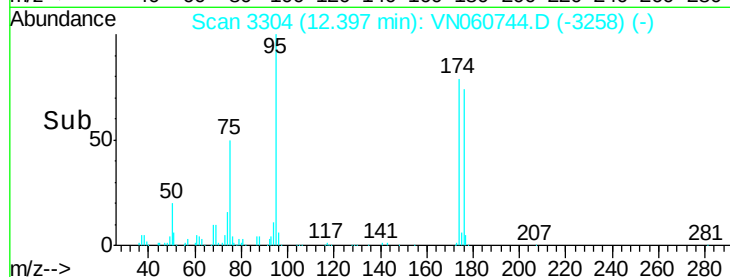
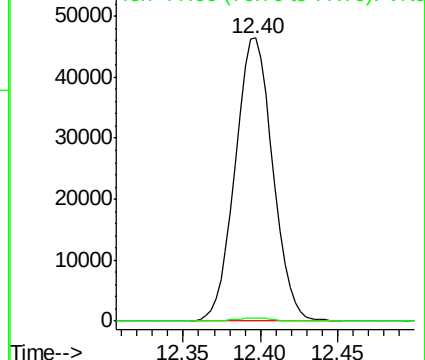
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060744.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060744.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.913 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060744.D

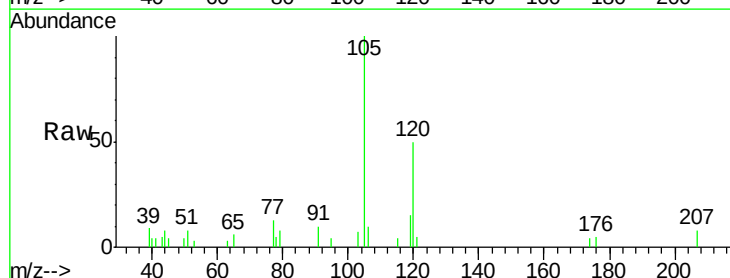
Acq: 27 Mar 2020 16:01

Tgt Ion: 105 Resp: 8342

Ion Ratio Lower Upper

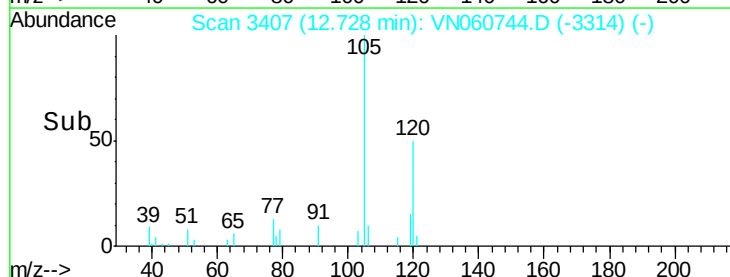
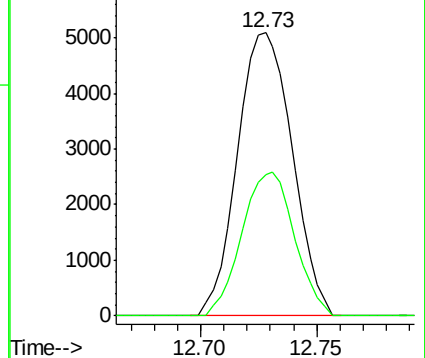
105 100

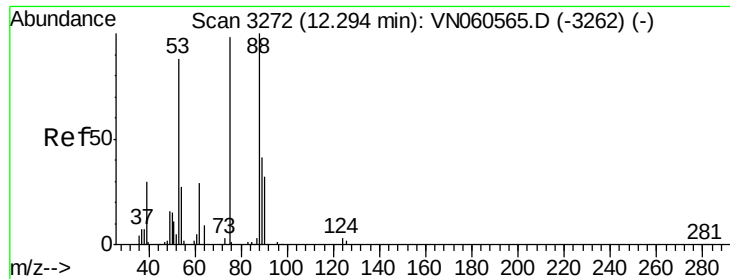
120 48.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060744.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060744.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 64.820 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060744.D

Acq: 27 Mar 2020 16:01

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#09

Tgt Ion: 75 Resp: 78161

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

