

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060750.D
 Acq On : 27 Mar 2020 18:45
 Operator : JC/MD
 Sample : PB127814ZHE#15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#15

Quant Time: Mar 28 02:02:18 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	196053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144254	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	127824	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
35) Dibromofluoromethane	7.56	113	98293	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.08	98	407864	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	154520	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

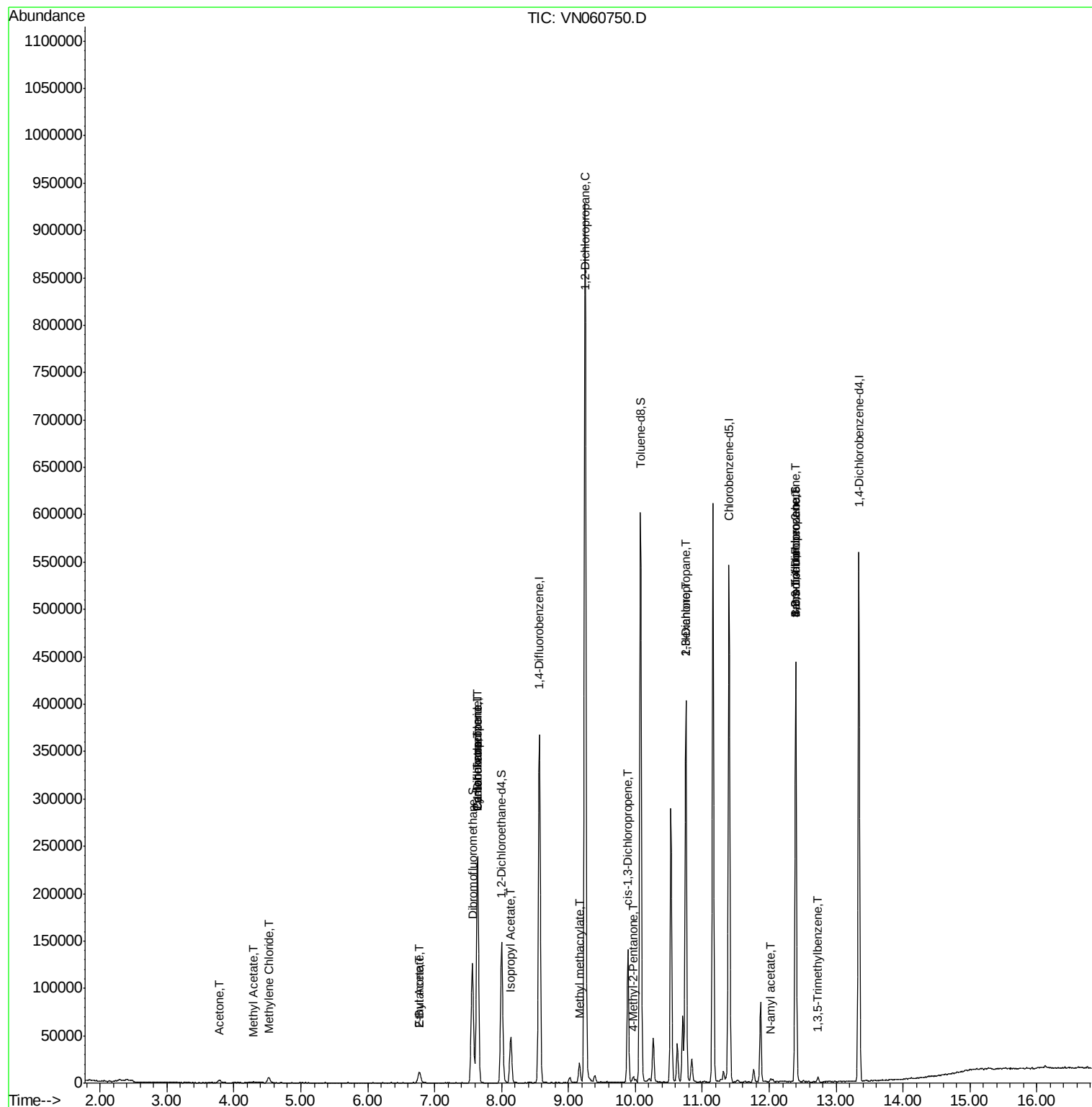
Target Compounds					Qvalue	
16) Acetone	3.78	43	5690	5.969	ug/l	90
18) Methyl Acetate	4.29	43	1811	0.675	ug/l #	62
20) Methylene Chloride	4.52	84	4371	1.864	ug/l	96
25) 2-Butanone	6.79	43	841	0.545	ug/l #	50
31) Cyclohexane	7.64	56	4190	0.967	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15261	4.810	ug/l #	50
37) Ethyl Acetate	6.79	43	841	0.245	ug/l #	75
38) Carbon Tetrachloride	7.64	117	18609	6.544	ug/l #	16
43) Isopropyl Acetate	8.14	43	58999	10.435	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1038	0.411	ug/l #	43
48) Methyl methacrylate	9.16	41	3058	1.215	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4265	1.326	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	24378	6.093	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4004	1.037	ug/l #	42
59) 2-Hexanone	10.75	43	60287	26.012	ug/l #	52
71) Bromoform	12.40	173	382	1.880	ug/l #	1
74) N-amyl acetate	12.02	43	2827	0.565	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	78028	25.068	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2979	0.324	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	78028	64.381	ug/l #	13

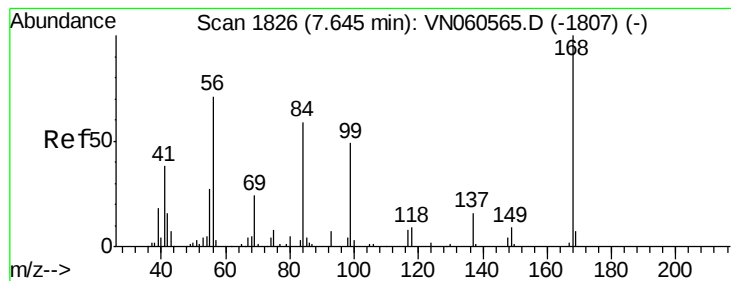
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060750.D

Acq: 27 Mar 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

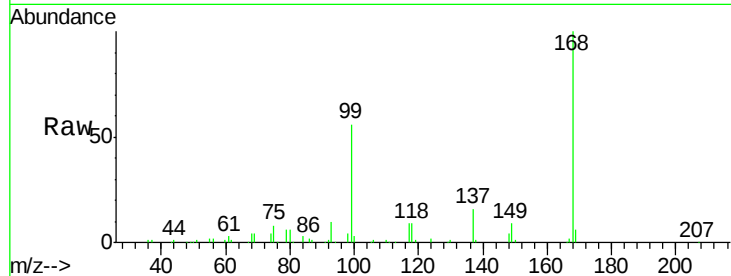
PB127814ZHE#15

Tgt Ion:168 Resp: 196053

Ion Ratio Lower Upper

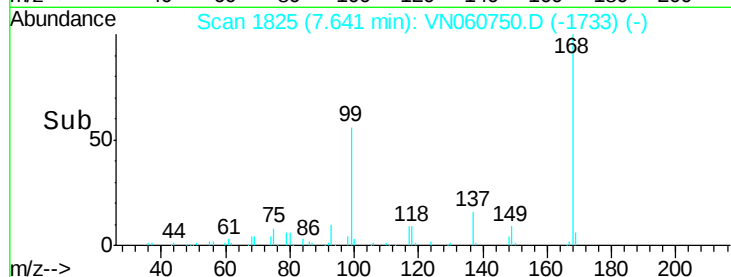
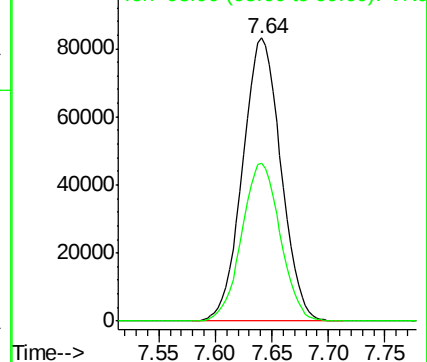
168 100

99 55.8 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: 5.969 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060750.D

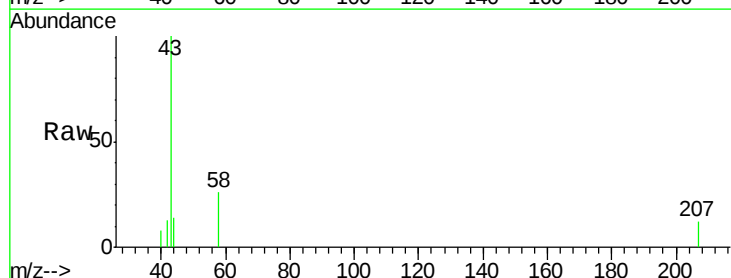
Acq: 27 Mar 2020 18:45

Tgt Ion: 43 Resp: 5690

Ion Ratio Lower Upper

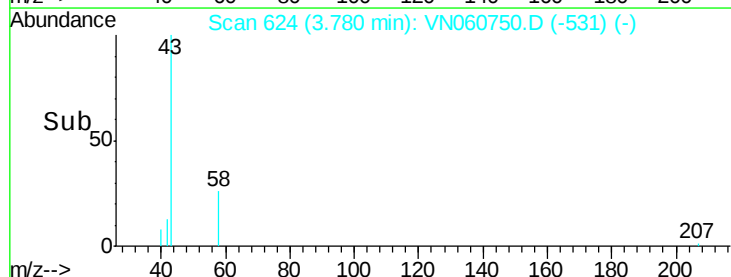
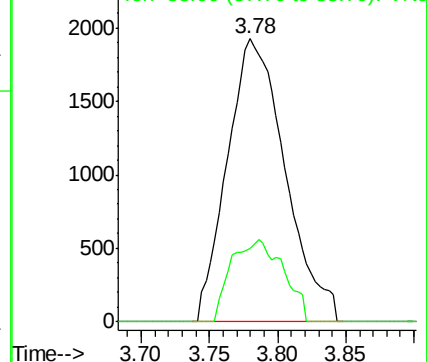
43 100

58 25.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

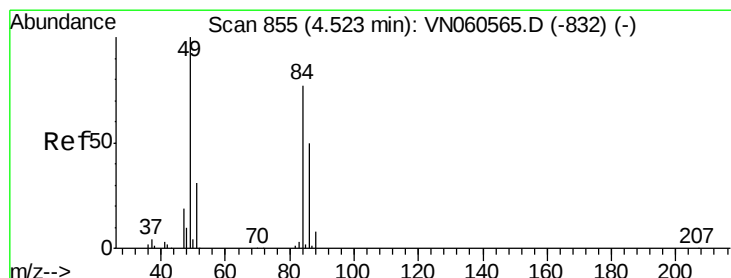
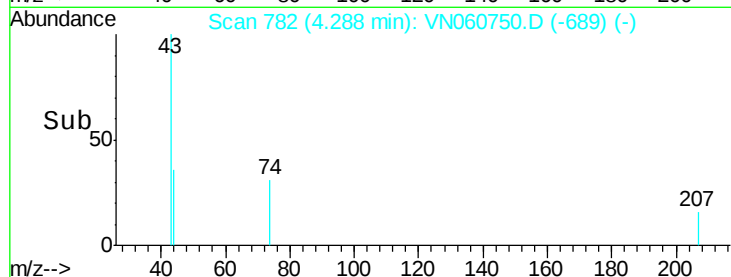
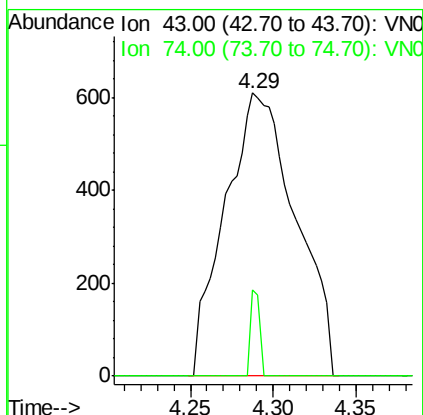
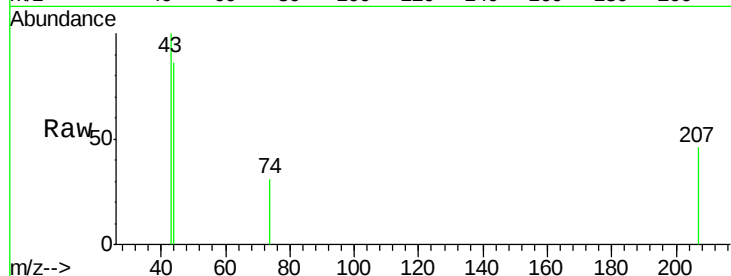




#18
Methyl Acetate
Concen: 0.675 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060750.D
Acq: 27 Mar 2020 18:45

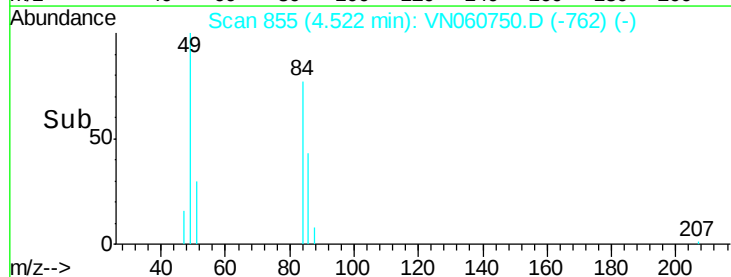
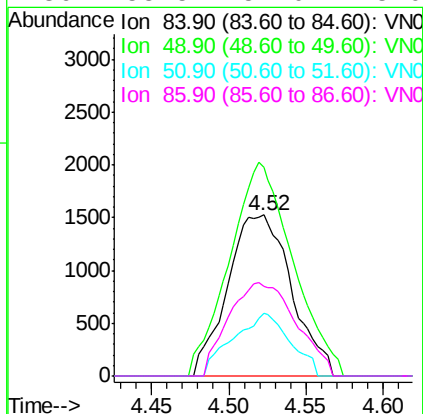
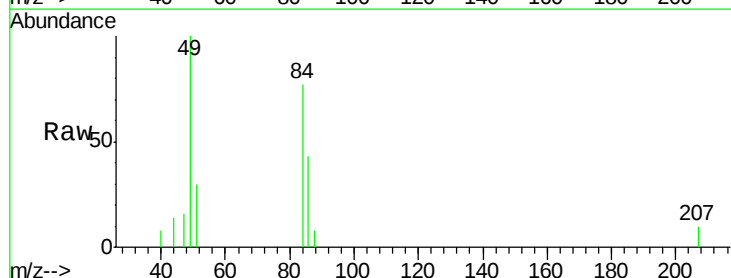
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#15

Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
74 3.9 17.5 26.3#



#20
Methylene Chloride
Concen: 1.864 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060750.D
Acq: 27 Mar 2020 18:45

Tgt Ion: 84 Resp: 4371
Ion Ratio Lower Upper
84 100
49 129.4 103.3 154.9
51 39.2 31.6 47.4
86 55.5 52.0 78.0





#25

2-Butanone

Concen: 0.545 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

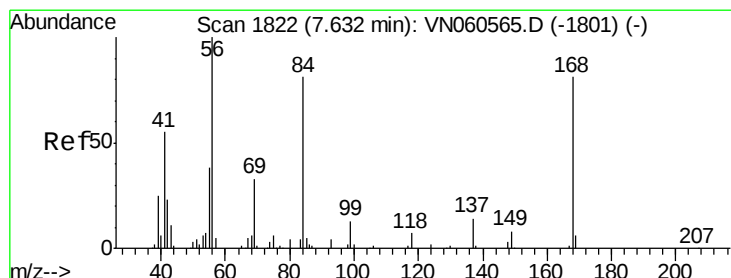
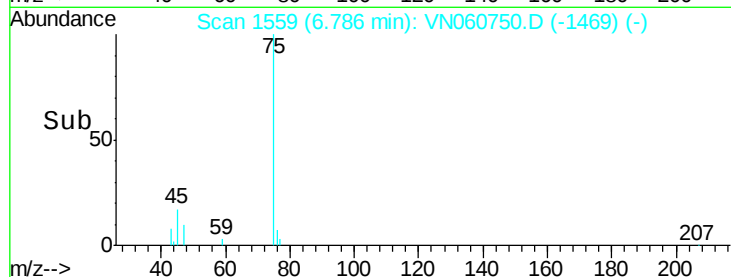
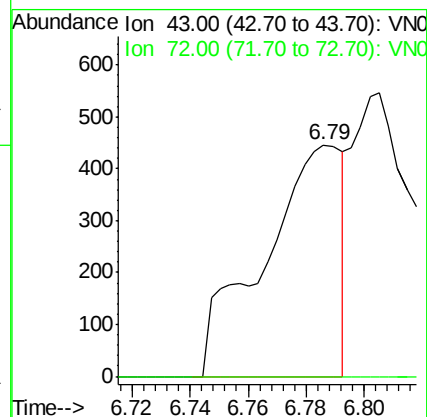
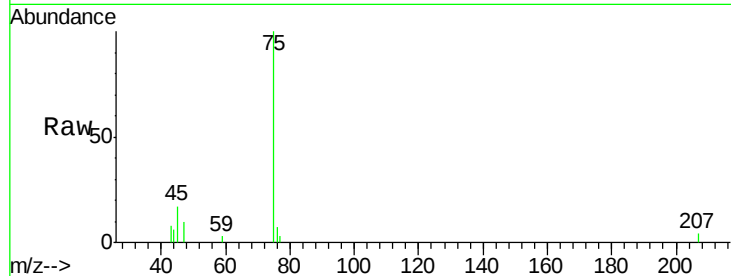
PB127814ZHE#15

Tgt Ion: 43 Resp: 841

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#31

Cyclohexane

Concen: 0.967 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

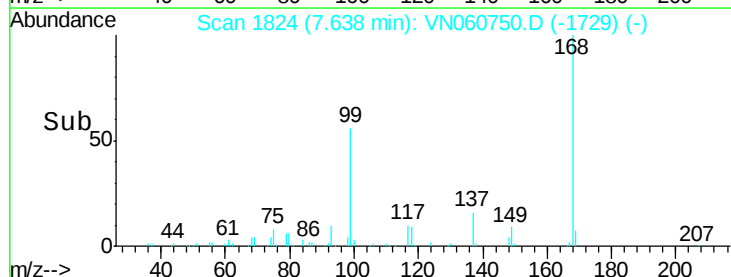
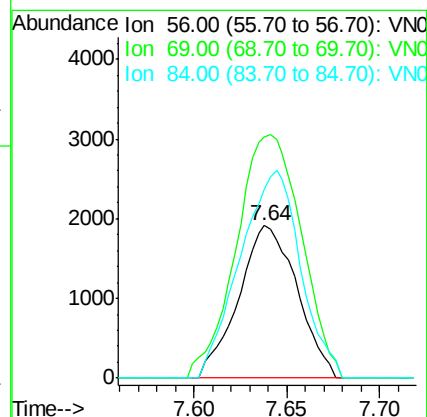
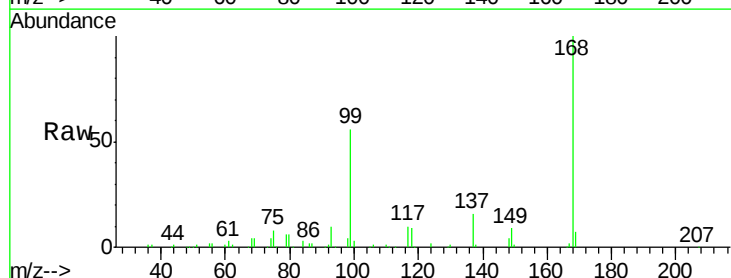
Tgt Ion: 56 Resp: 4190

Ion Ratio Lower Upper

56 100

69 158.5 26.6 40.0#

84 123.4 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 47.494 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

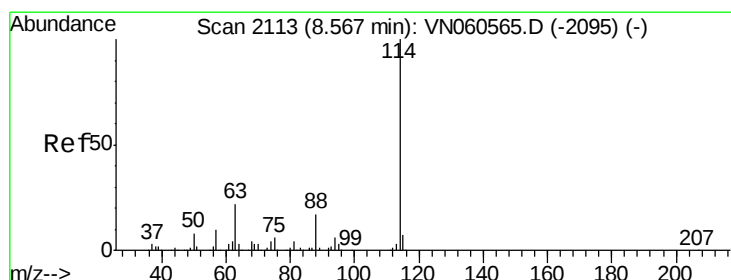
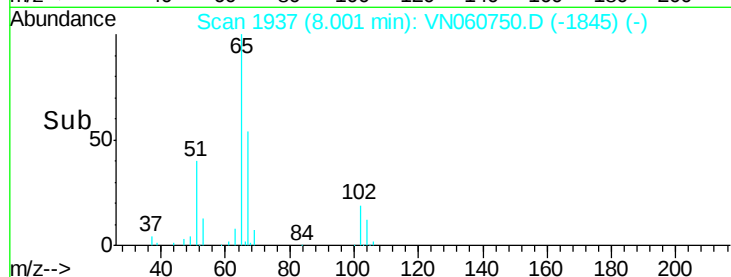
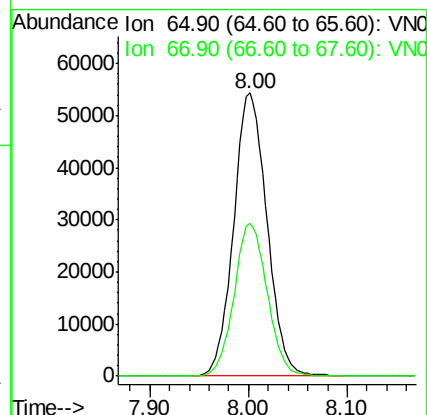
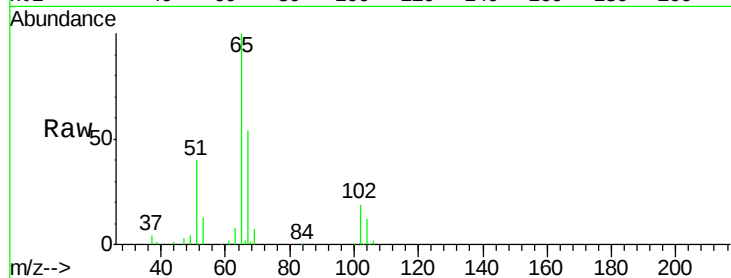
PB127814ZHE#15

Tgt Ion: 65 Resp: 127824

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

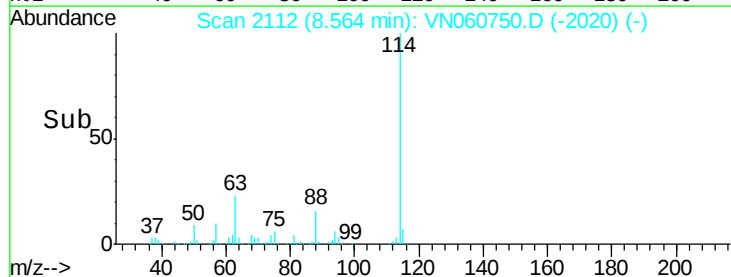
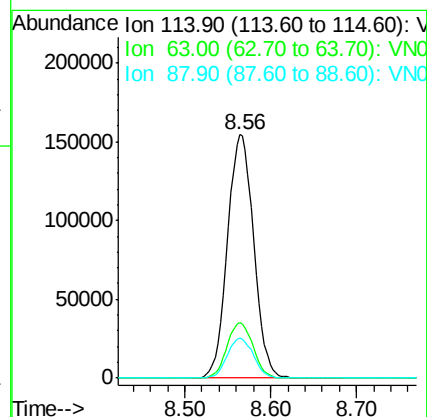
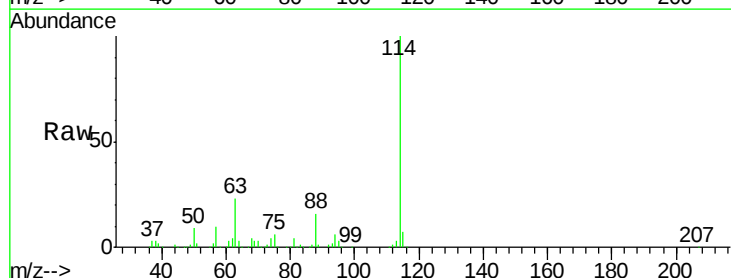
Tgt Ion: 114 Resp: 327677

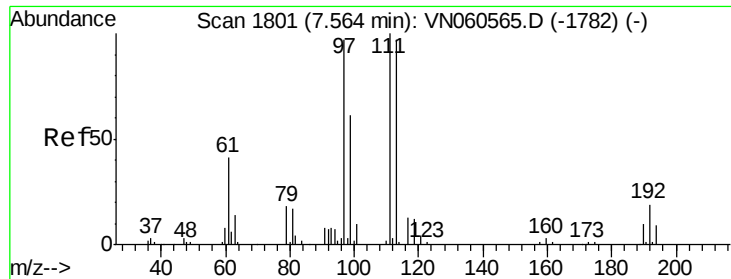
Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

88 16.4 0.0 33.0

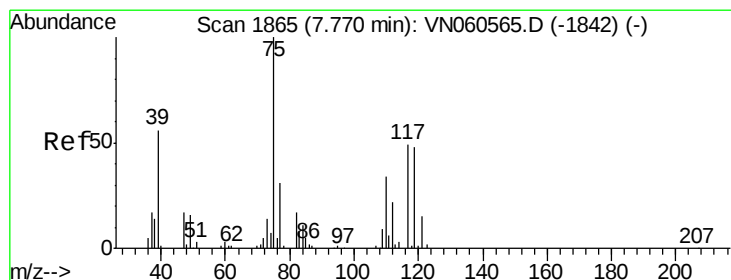
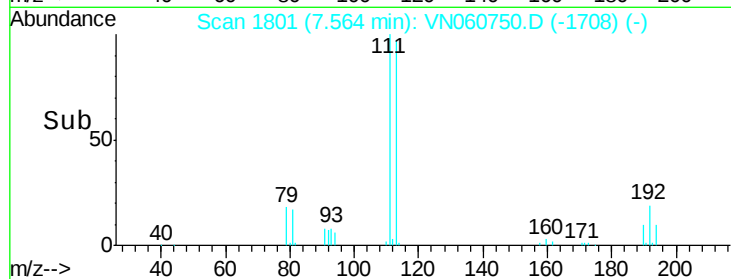
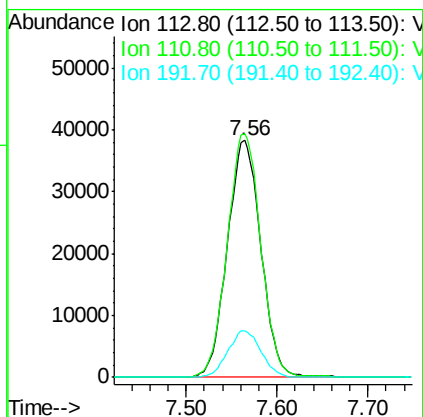
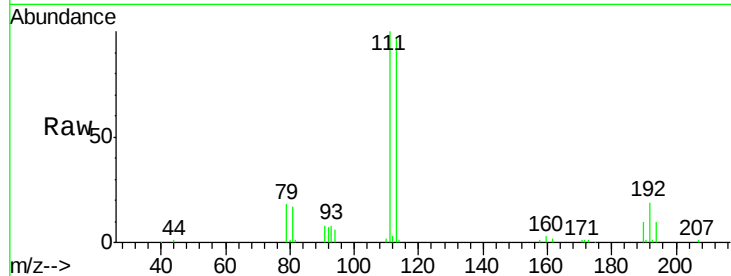




#35
 Dibromofluoromethane
 Concen: 49.609 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060750.D
 Acq: 27 Mar 2020 18:45

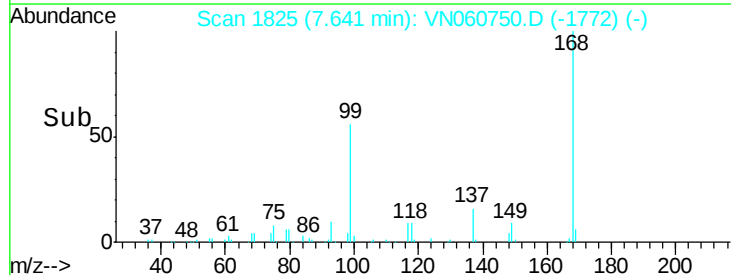
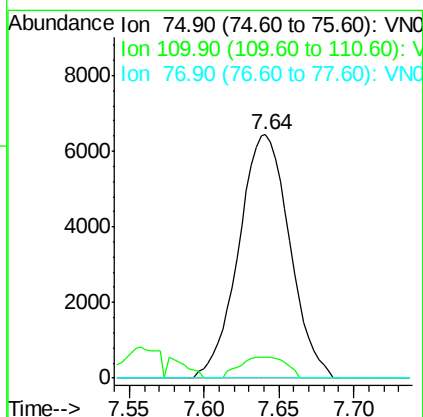
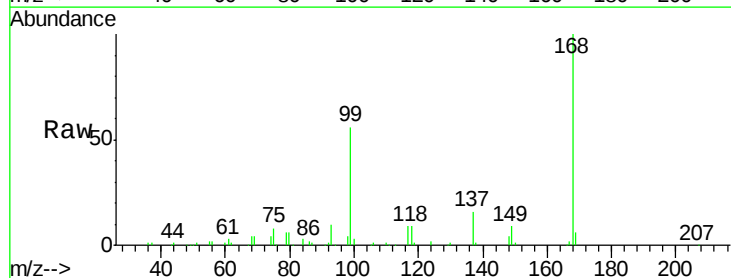
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#15

Tgt Ion:113 Resp: 98293
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.9 124.3
 192 19.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.810 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060750.D
 Acq: 27 Mar 2020 18:45

Tgt Ion: 75 Resp: 15261
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.9 50.6#
 77 0.0 24.6 36.8#

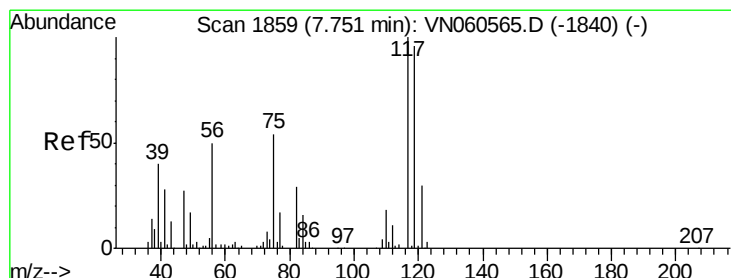
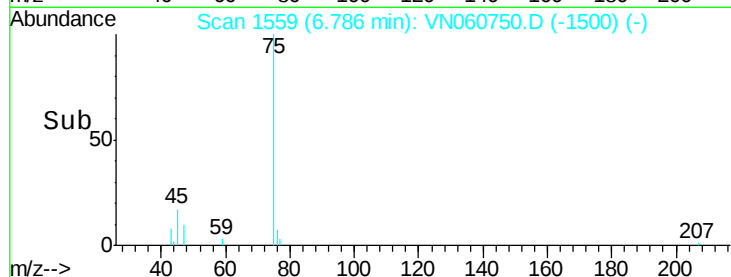
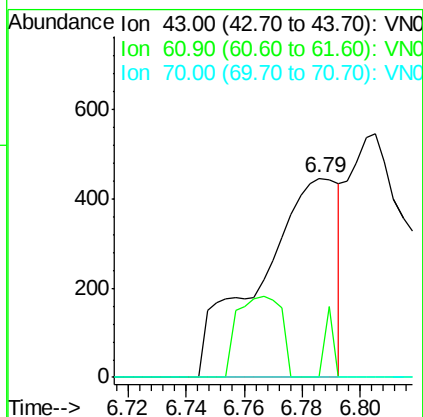
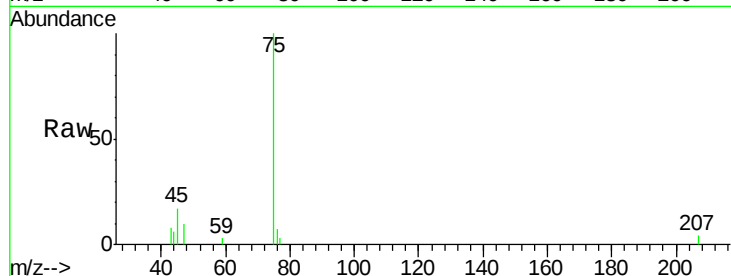




#37
 Ethyl Acetate
 Concen: 0.245 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.11 min
 Lab File: VN060750.D
 Acq: 27 Mar 2020 18:45

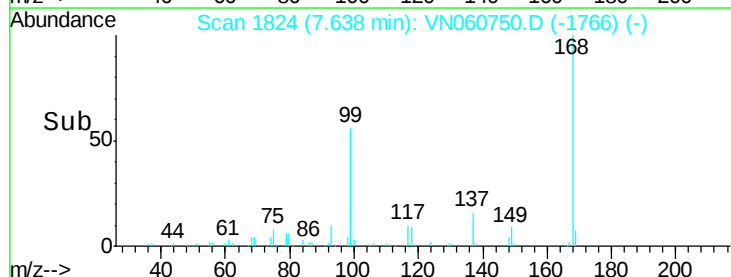
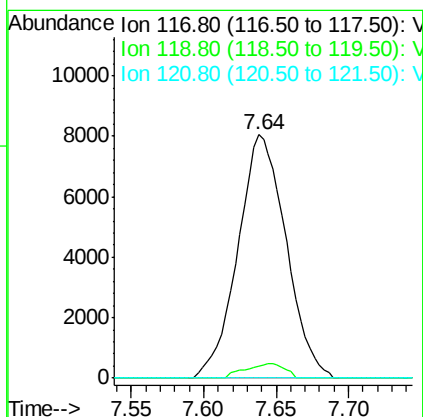
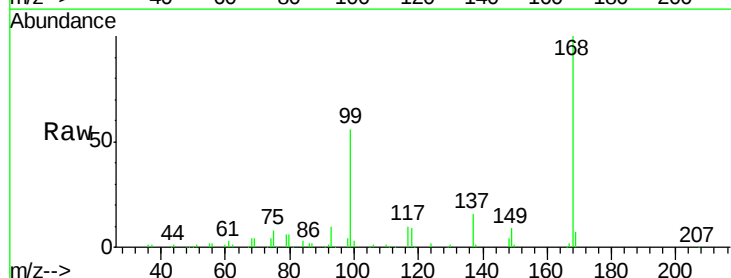
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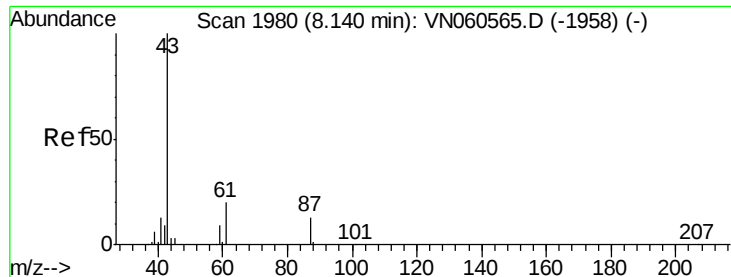
Tgt Ion: 43 Resp: 841
 Ion Ratio Lower Upper
 43 100
 61 3.6 10.6 15.8#
 70 0.0 7.9 11.9#



#38
 Carbon Tetrachloride
 Concen: 6.544 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN060750.D
 Acq: 27 Mar 2020 18:45

Tgt Ion: 117 Resp: 18609
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.2#
 121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 10.435 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#15

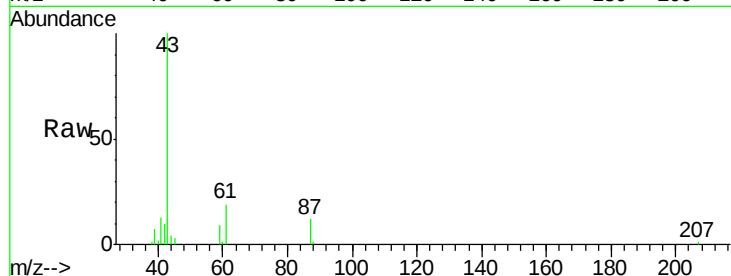
Tgt Ion: 43 Resp: 58999

Ion Ratio Lower Upper

43 100

61 19.2 20.7 31.1#

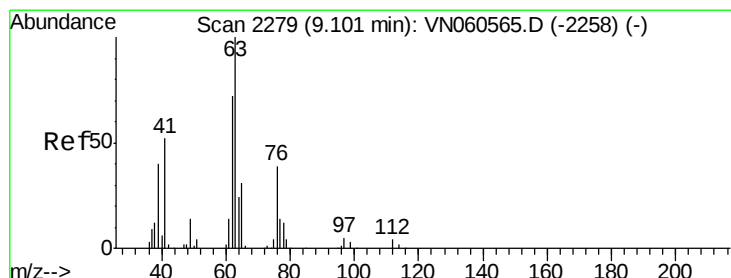
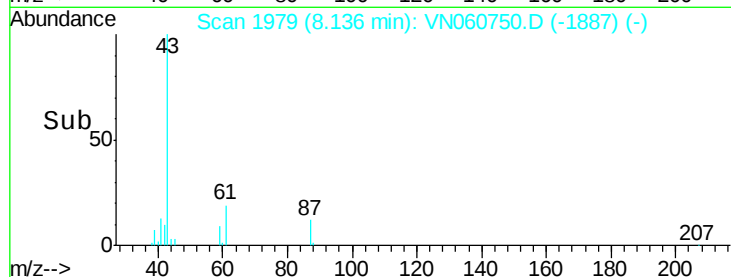
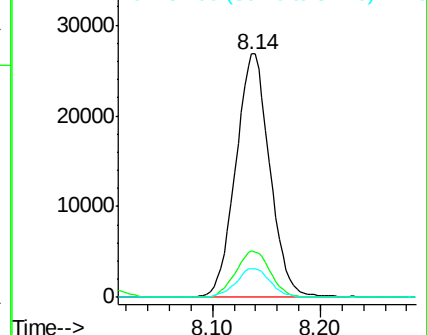
87 11.8 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060750.D (-1979) (-)

Ion 61.00 (60.70 to 61.70): VN060750.D (-1979) (-)

Ion 87.00 (86.70 to 87.70): VN060750.D (-1979) (-)



#45

1,2-Dichloropropane

Concen: 0.411 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060750.D

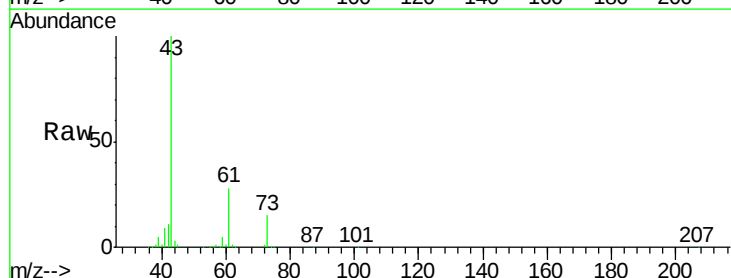
Acq: 27 Mar 2020 18:45

Tgt Ion: 63 Resp: 1038

Ion Ratio Lower Upper

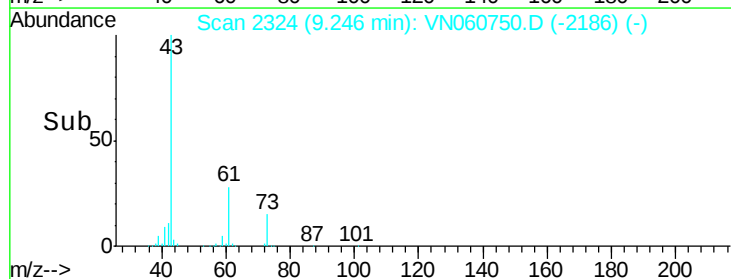
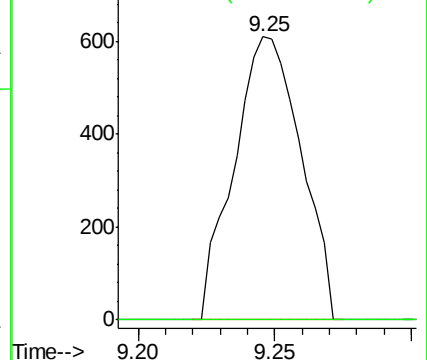
63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060750.D (-2324) (-)

Ion 64.90 (64.60 to 65.60): VN060750.D (-2324) (-)

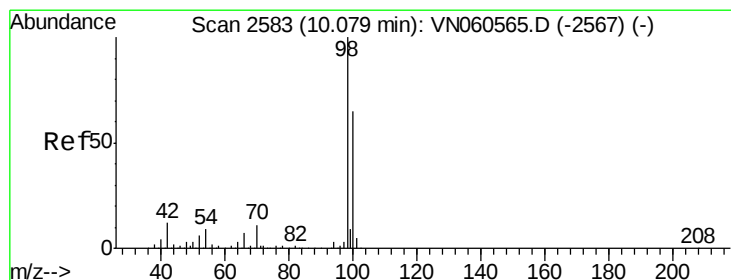
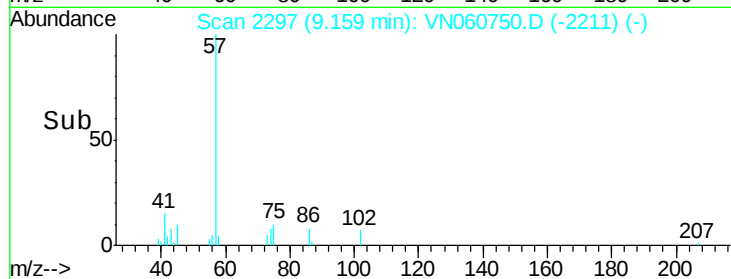
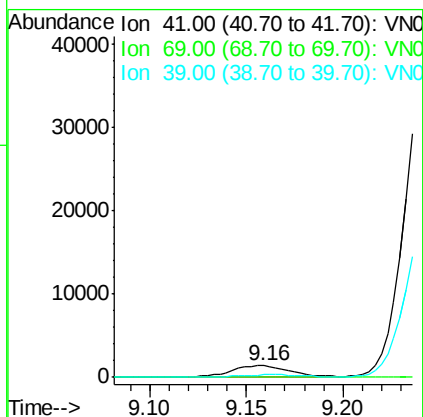
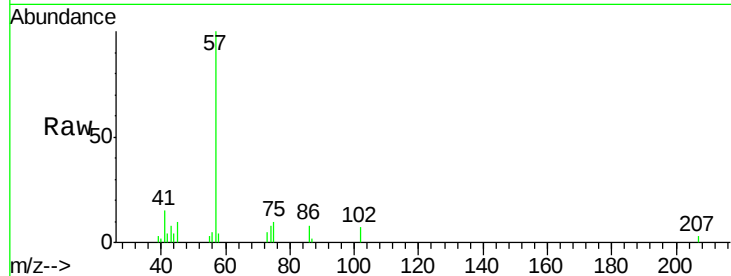




#48
Methyl methacrylate
Concen: 1.215 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060750.D
Acq: 27 Mar 2020 18:45

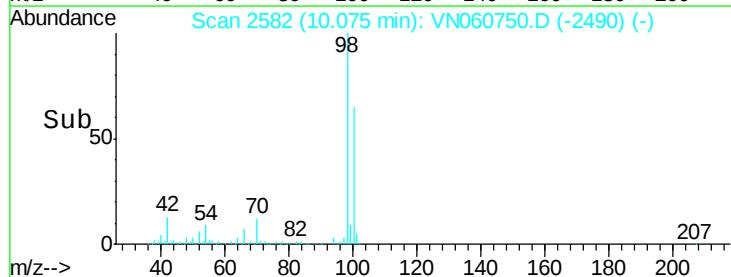
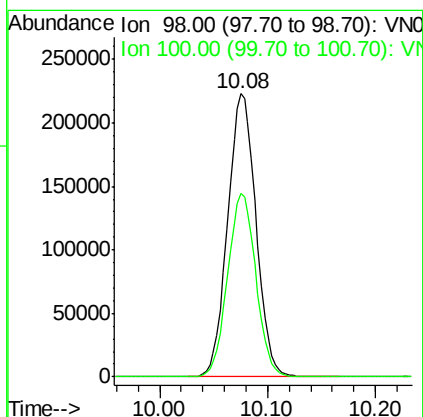
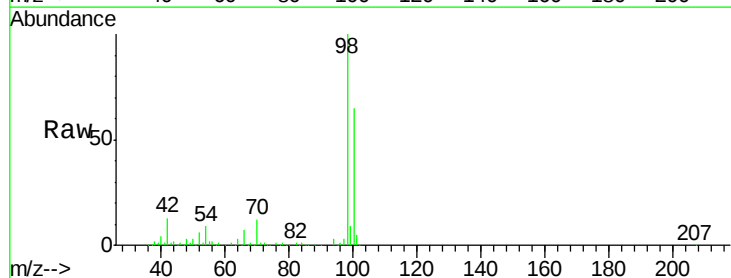
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#15

Tgt Ion: 41 Resp: 3058
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.397 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060750.D
Acq: 27 Mar 2020 18:45

Tgt Ion: 98 Resp: 407864
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.326 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

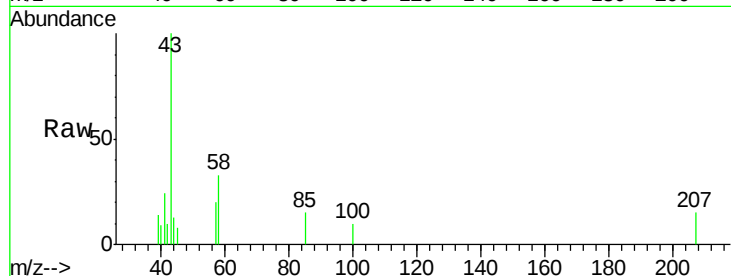
PB127814ZHE#15

Tgt Ion: 43 Resp: 4265

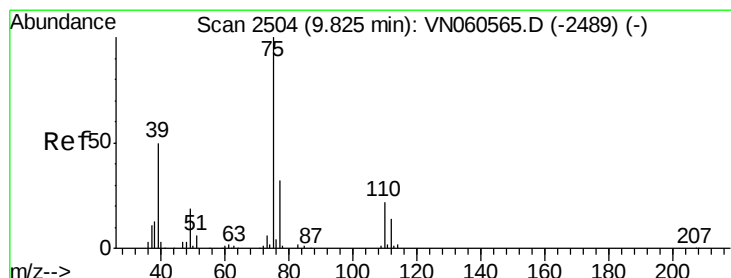
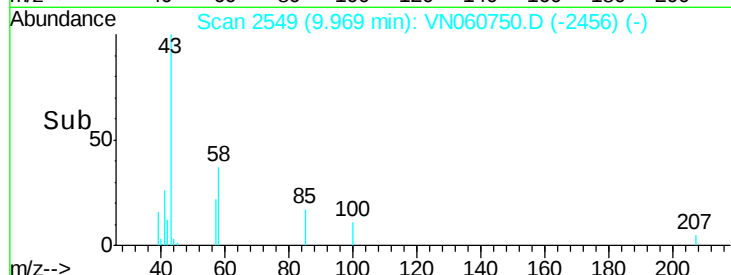
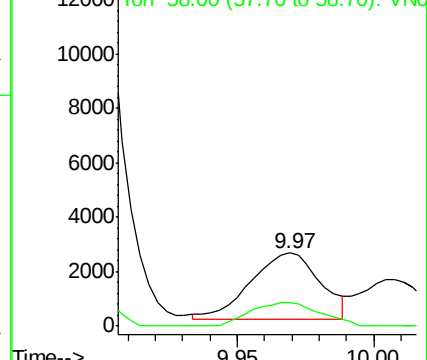
Ion Ratio Lower Upper

43 100

58 36.1 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060750.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.093 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

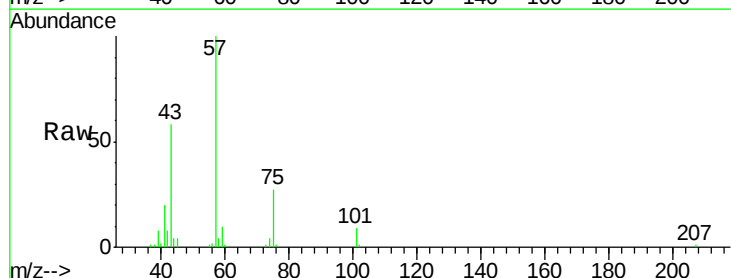
Tgt Ion: 75 Resp: 24378

Ion Ratio Lower Upper

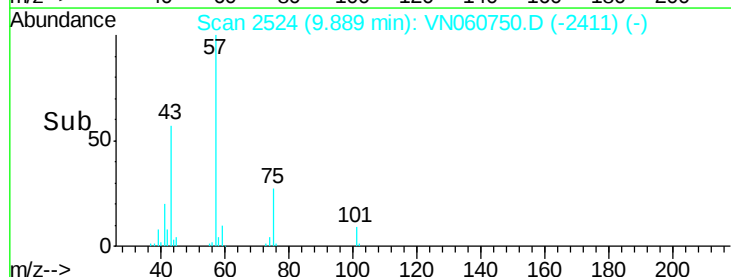
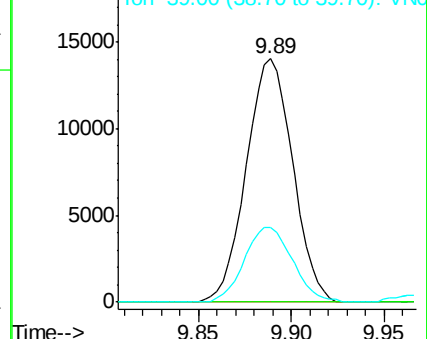
75 100

77 0.0 25.4 38.0#

39 30.4 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060750.D (-2411) (-)





#57

1,3-Dichloropropane

Concen: 1.037 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

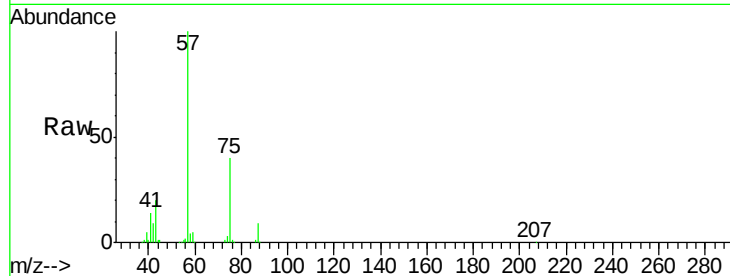
PB127814ZHE#15

Tgt Ion: 76 Resp: 4004

Ion Ratio Lower Upper

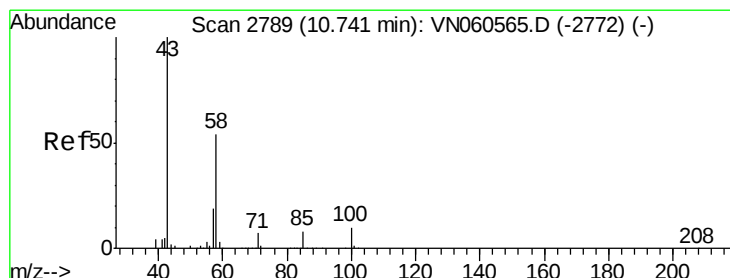
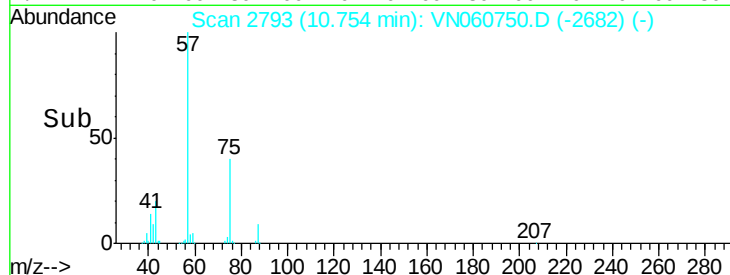
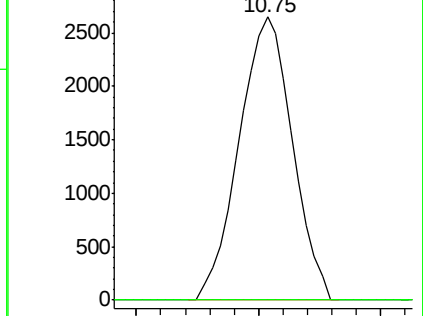
76 100

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: 26.012 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060750.D

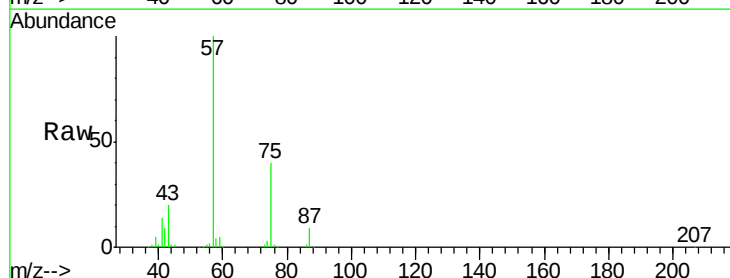
Acq: 27 Mar 2020 18:45

Tgt Ion: 43 Resp: 60287

Ion Ratio Lower Upper

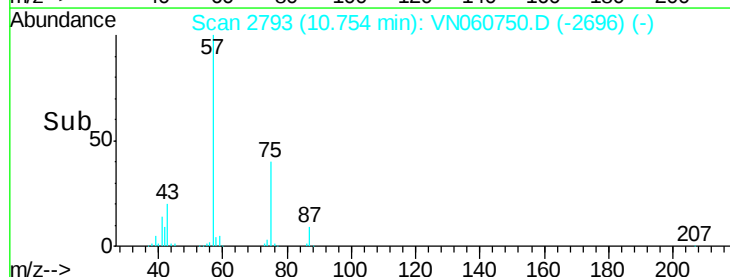
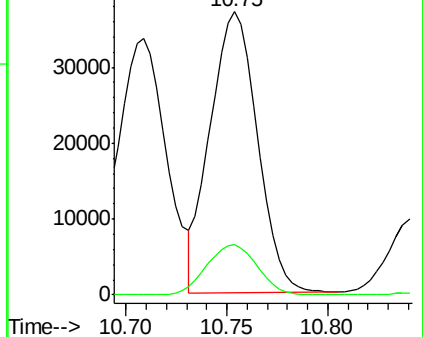
43 100

58 19.0 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: 52.097 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#15

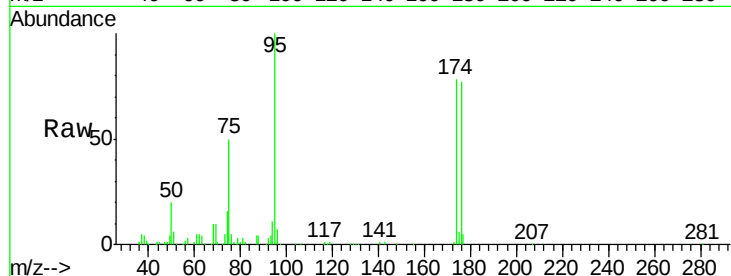
Tgt Ion: 95 Resp: 154520

Ion Ratio Lower Upper

95 100

174 78.0 0.0 157.6

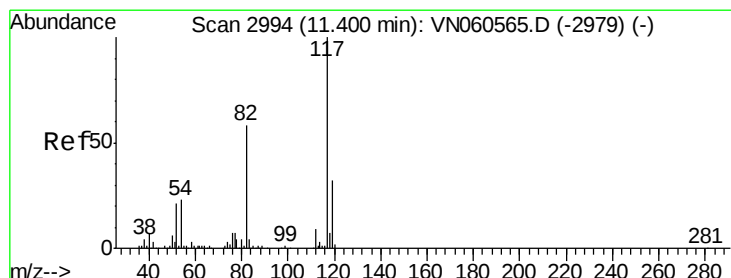
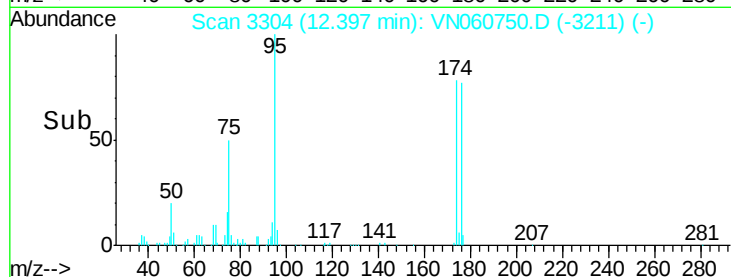
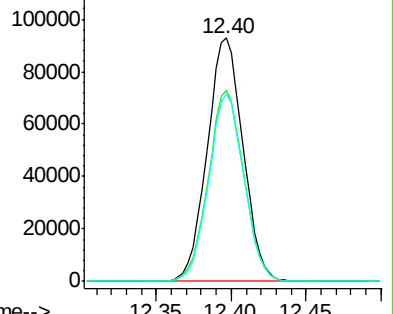
176 75.7 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060750.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060750.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060750.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

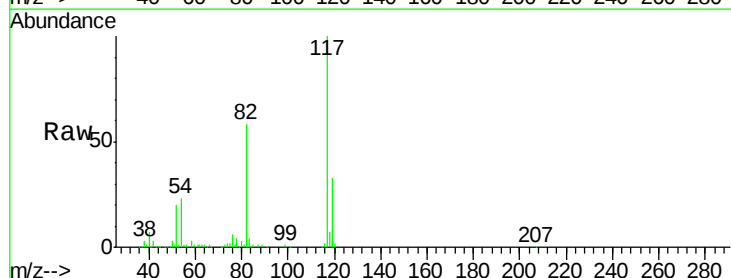
Tgt Ion: 117 Resp: 310124

Ion Ratio Lower Upper

117 100

82 58.4 46.7 70.1

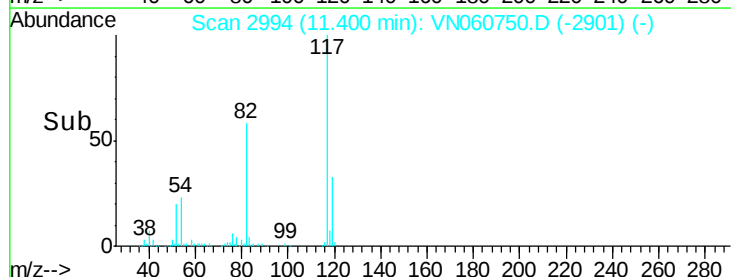
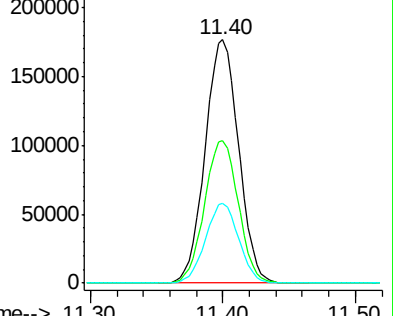
119 33.0 25.5 38.3

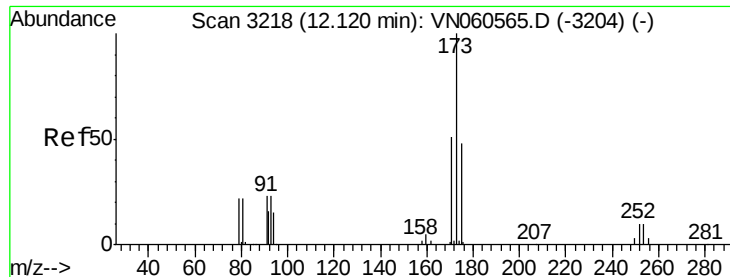


Abundance Ion 116.90 (116.60 to 117.60): VN060750.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060750.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060750.D (-2979) (-)





#71

Bromoform

Concen: 1.880 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#15

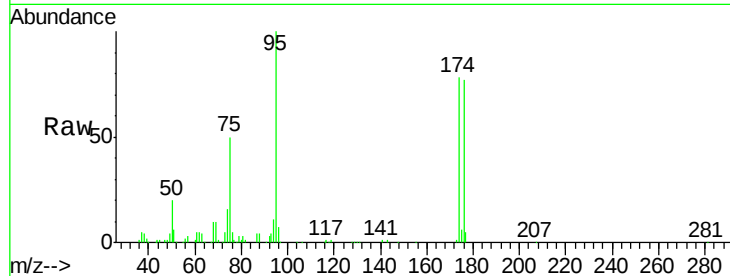
Tgt Ion:173 Resp: 382

Ion Ratio Lower Upper

173 100

175 1949.7 24.1 72.4#

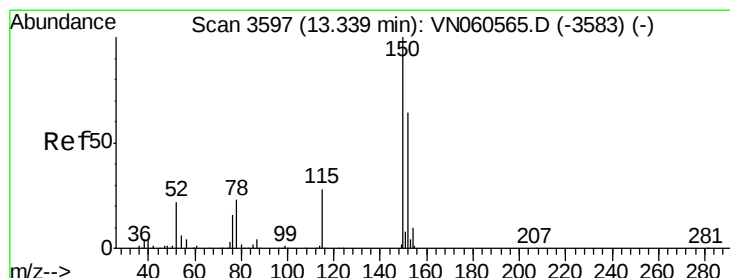
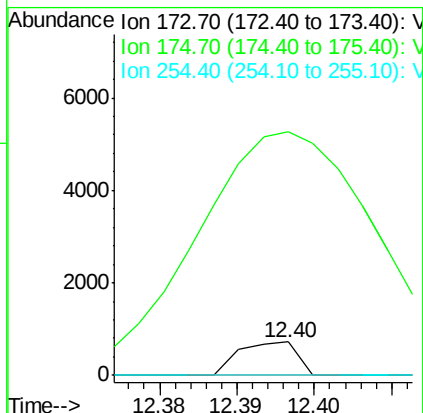
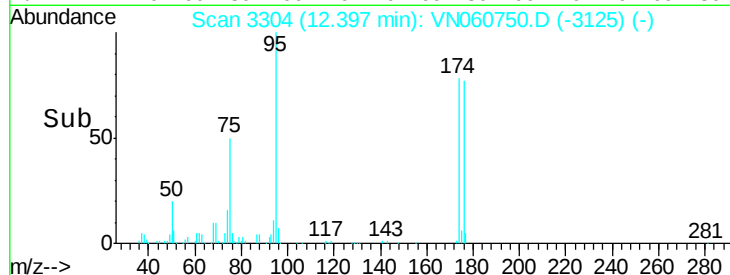
254 0.0 0.0 0.0



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: VN060750.D

Acq: 27 Mar 2020 18:45

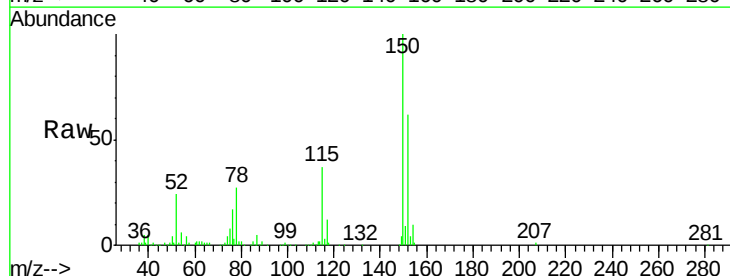
Tgt Ion:152 Resp: 144254

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

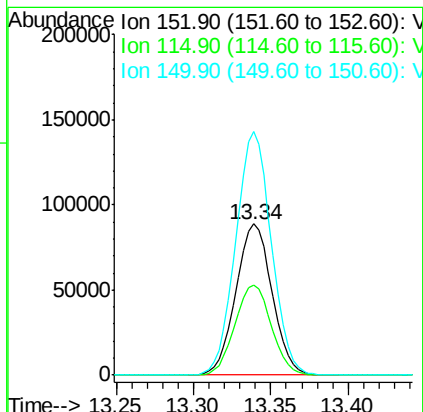
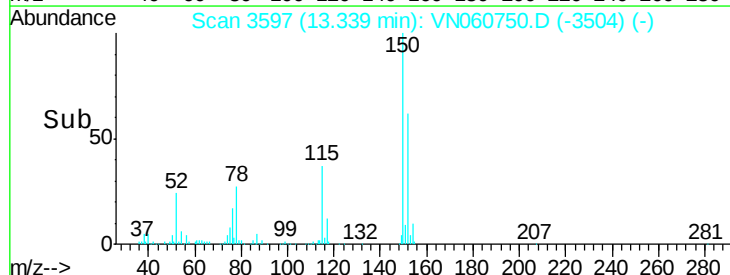
150 158.6 0.0 350.2

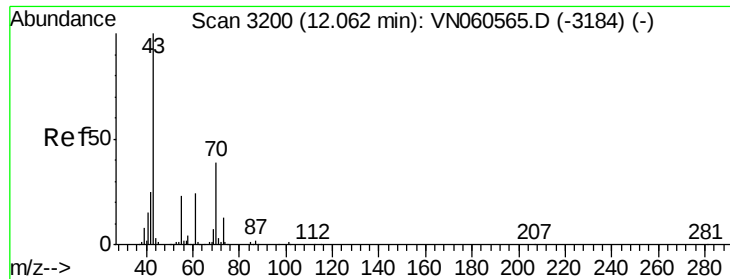


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.565 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060750.D

Acq: 27 Mar 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#15

Tgt Ion: 43 Resp: 2827

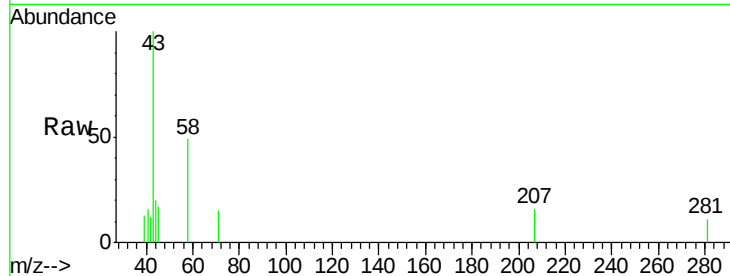
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

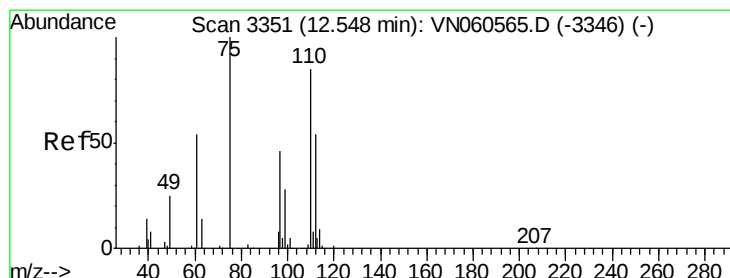
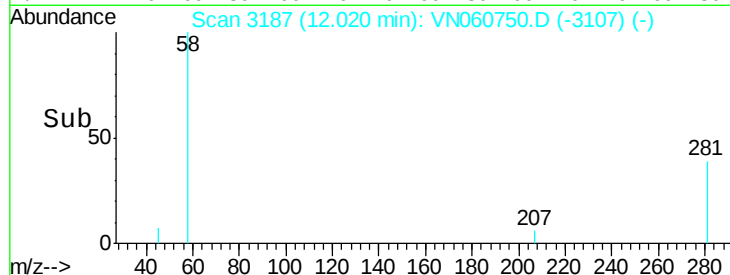
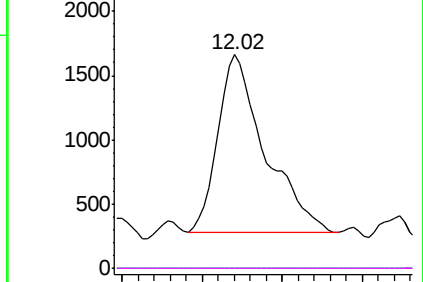


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.068 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060750.D

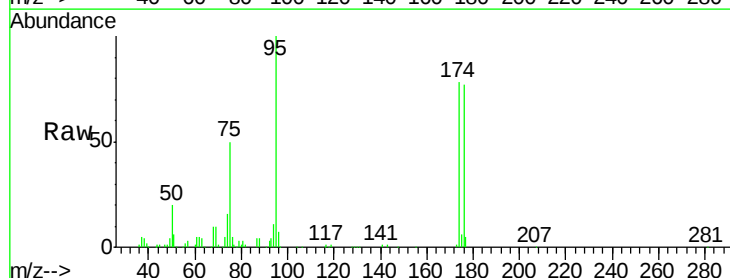
Acq: 27 Mar 2020 18:45

Tgt Ion: 75 Resp: 78028

Ion Ratio Lower Upper

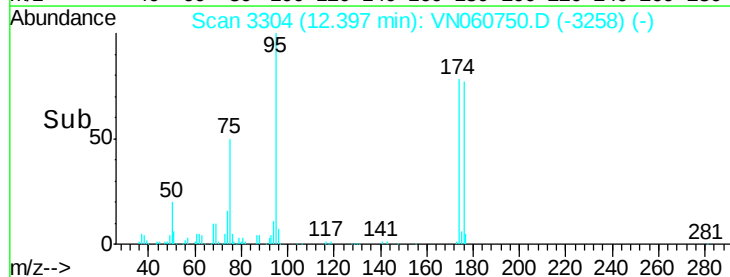
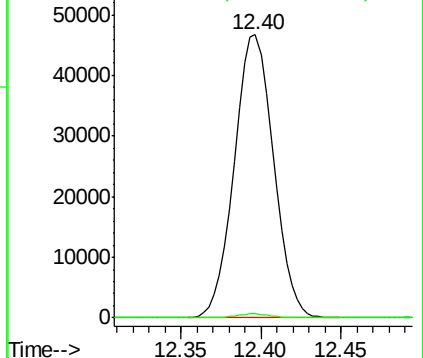
75 100

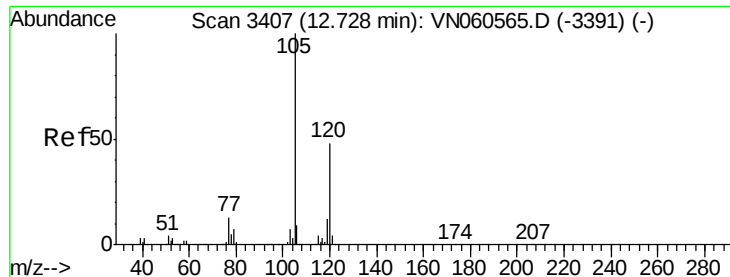
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

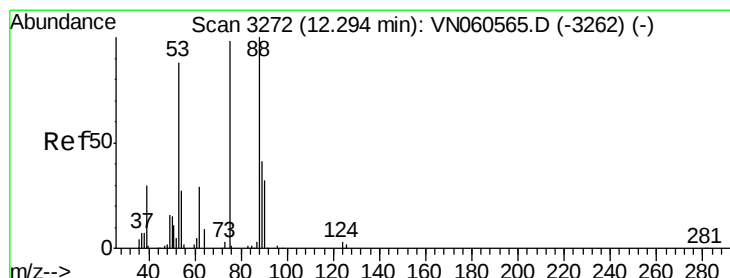
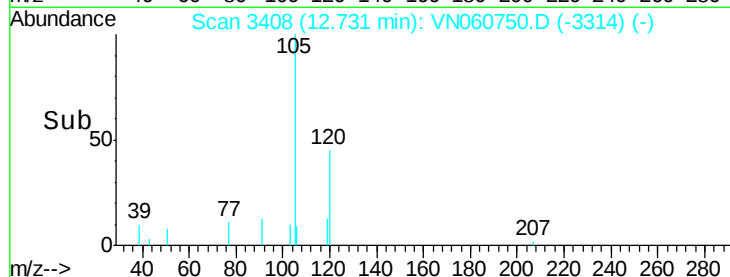
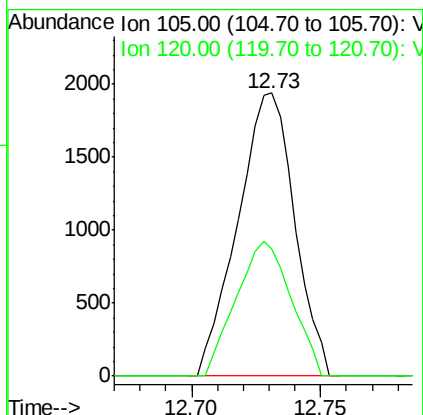
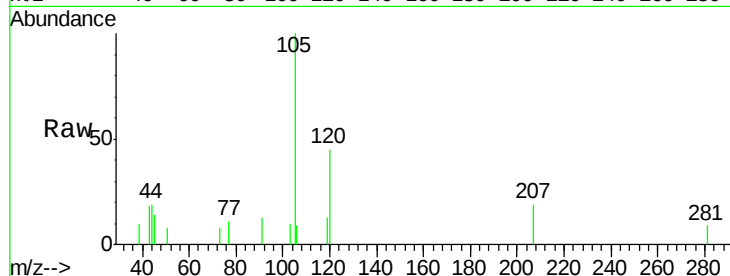




#80
 1,3,5-Trimethylbenzene
 Concen: 0.324 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060750.D
 Acq: 27 Mar 2020 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#15

Tgt Ion: 105 Resp: 2979
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.381 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060750.D
 Acq: 27 Mar 2020 18:45

Tgt Ion: 75 Resp: 78028
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

