

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060737.D
 Acq On : 27 Mar 2020 13:22
 Operator : JC/MD
 Sample : PB127814ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#02

Quant Time: Mar 28 01:58:40 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	188159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135567	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	122704	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.56	113	92781	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.08	98	391637	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	146601	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

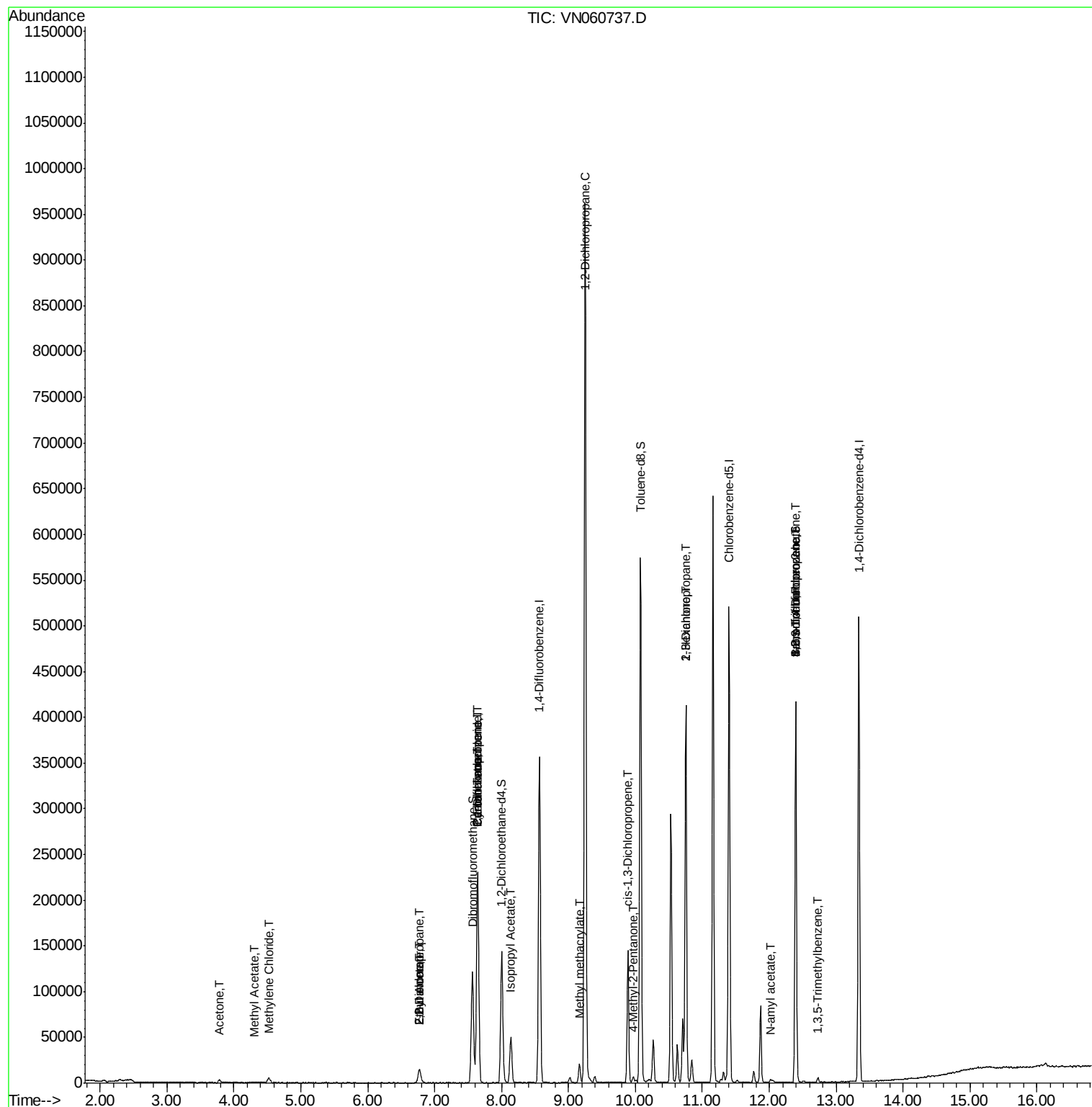
Target Compounds					Qvalue	
16) Acetone	3.79	43	5770	6.306	ug/l	100
18) Methyl Acetate	4.30	43	1695	0.658	ug/l #	58
20) Methylene Chloride	4.52	84	4097	1.820	ug/l #	91
25) 2-Butanone	6.78	43	962	0.650	ug/l #	50
26) 2,2-Dichloropropane	6.76	77	862	0.265	ug/l #	53
31) Cyclohexane	7.63	56	1982	0.476	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14908	4.870	ug/l #	49
37) Ethyl Acetate	6.78	43	962	0.291	ug/l #	67
38) Carbon Tetrachloride	7.64	117	18076	6.588	ug/l #	16
43) Isopropyl Acetate	8.14	43	60467	11.084	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	971	0.398	ug/l #	43
48) Methyl methacrylate	9.16	41	2993	1.232	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4514	1.454	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	25098	6.501	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3957	1.062	ug/l #	42
59) 2-Hexanone	10.75	43	60783	27.181	ug/l #	53
71) Bromoform	12.39	173	402	1.902	ug/l #	1
74) N-amyl acetate	12.02	43	1935	0.412	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	73512	25.130	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3127	0.362	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	73512	64.542	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: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

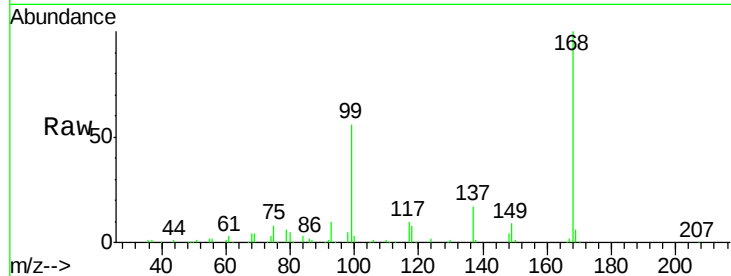
PB127814ZHE#02

Tgt Ion:168 Resp: 188159

Ion Ratio Lower Upper

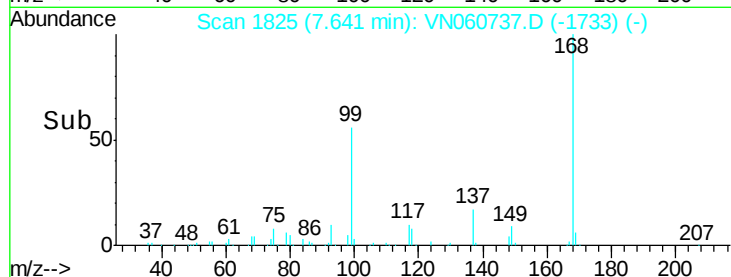
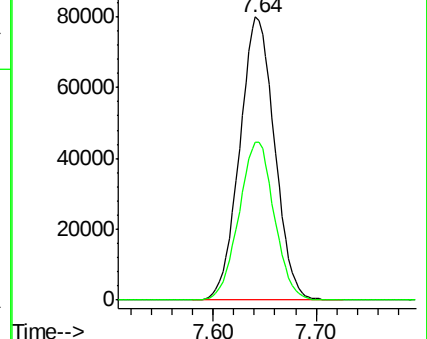
168 100

99 55.7 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: 6.306 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060737.D

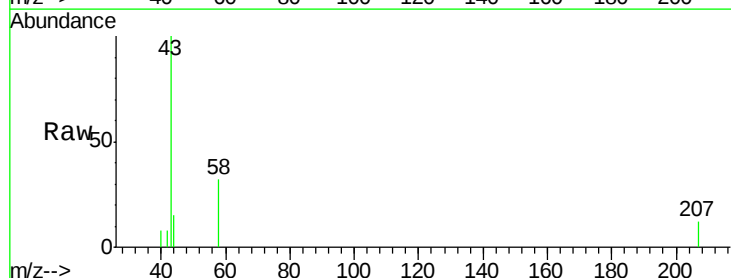
Acq: 27 Mar 2020 13:22

Tgt Ion: 43 Resp: 5770

Ion Ratio Lower Upper

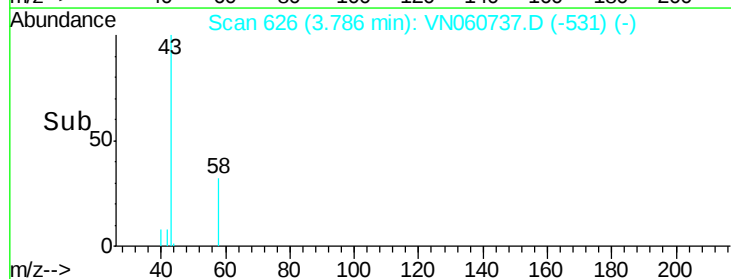
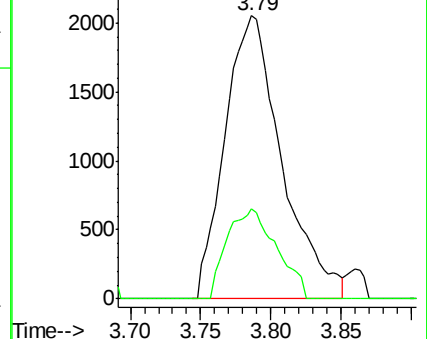
43 100

58 31.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

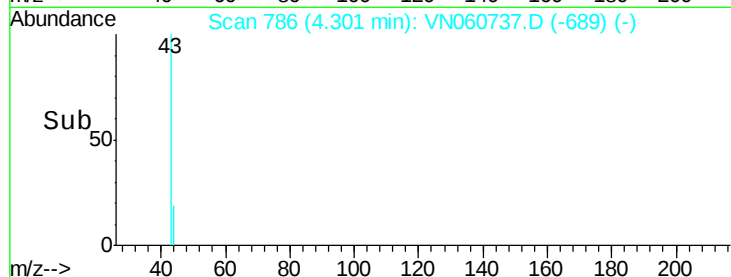
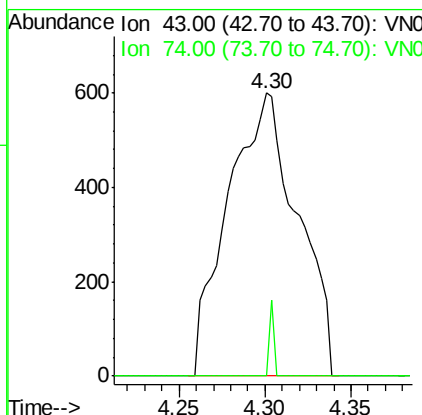
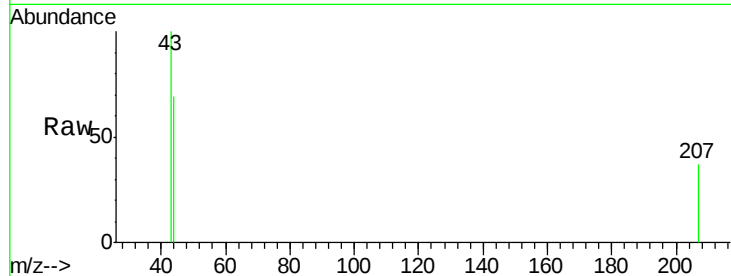




#18
Methyl Acetate
Concen: 0.658 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060737.D
Acq: 27 Mar 2020 13:22

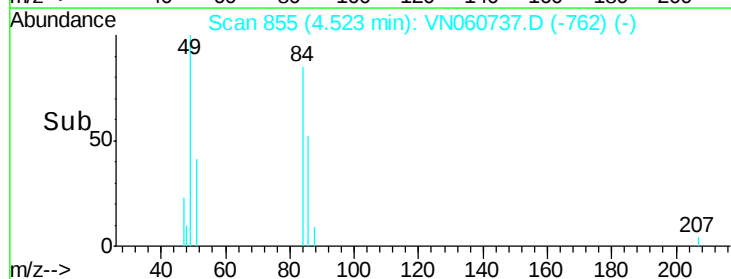
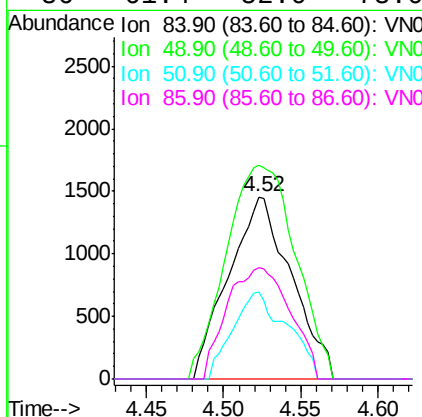
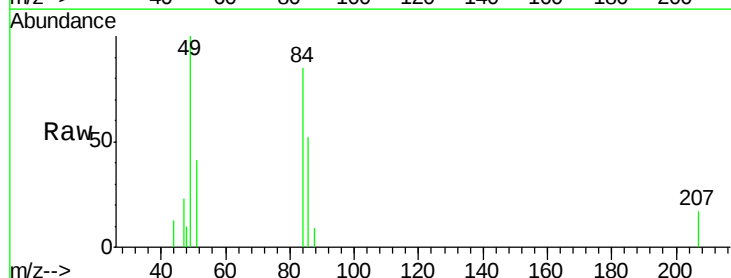
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#02

Tgt Ion: 43 Resp: 1695
Ion Ratio Lower Upper
43 100
74 1.8 17.5 26.3#



#20
Methylene Chloride
Concen: 1.820 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060737.D
Acq: 27 Mar 2020 13:22

Tgt Ion: 84 Resp: 4097
Ion Ratio Lower Upper
84 100
49 117.5 103.3 154.9
51 48.1 31.6 47.4#
86 61.4 52.0 78.0





#25

2-Butanone

Concen: 0.650 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.02 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

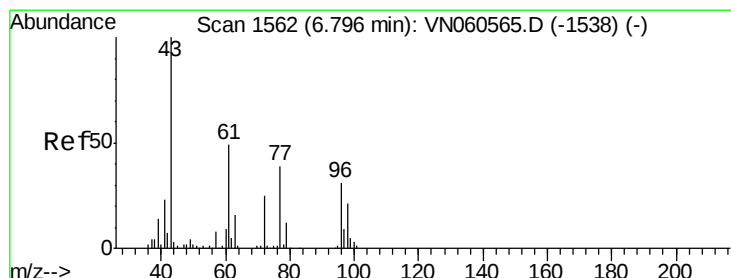
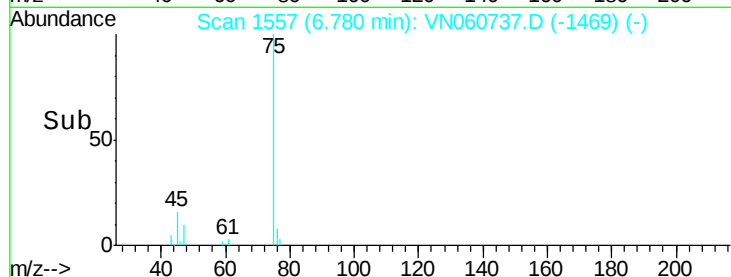
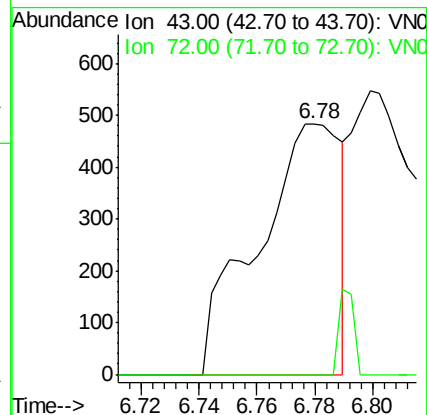
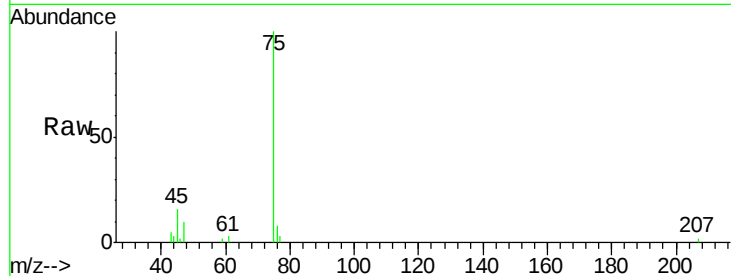
PB127814ZHE#02

Tgt Ion: 43 Resp: 962

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#26

2,2-Dichloropropane

Concen: 0.265 ug/l

RT: 6.76 min Scan# 1552

Delta R.T. -0.03 min

Lab File: VN060737.D

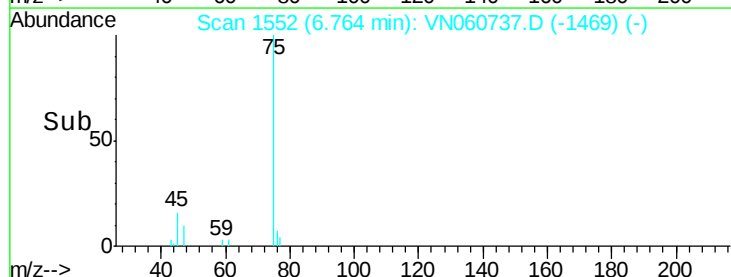
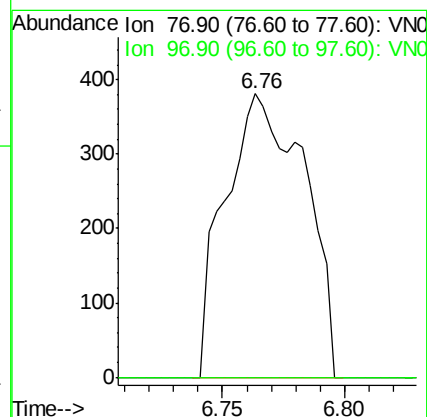
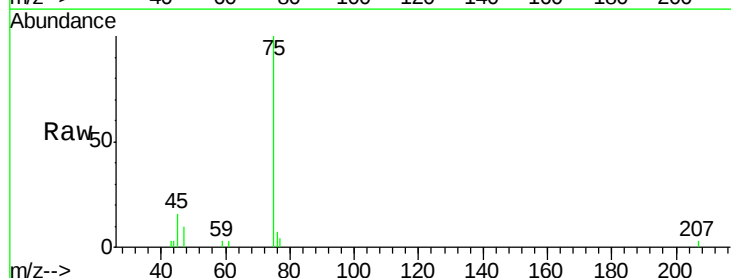
Acq: 27 Mar 2020 13:22

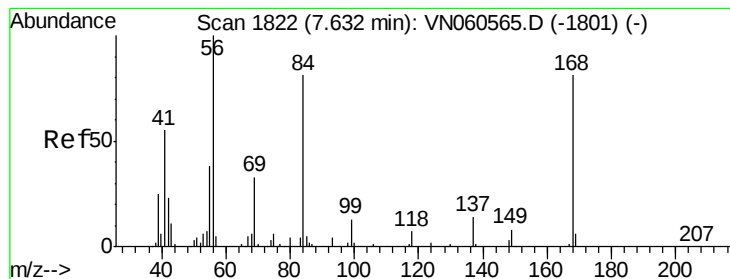
Tgt Ion: 77 Resp: 862

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#





#31

Cyclohexane

Concen: 0.476 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#02

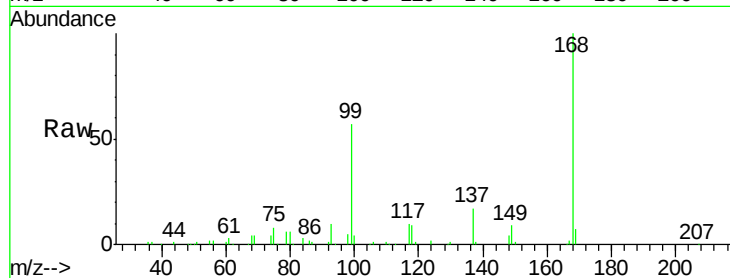
Tgt Ion: 56 Resp: 1982

Ion Ratio Lower Upper

56 100

69 179.7 26.6 40.0#

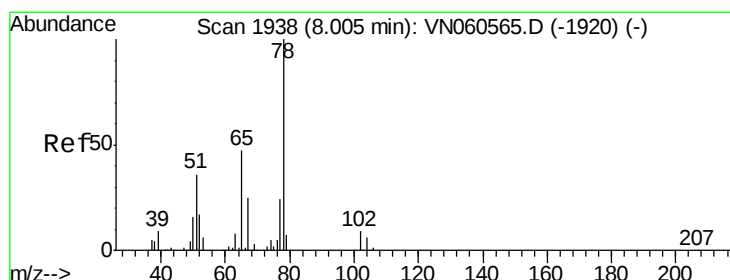
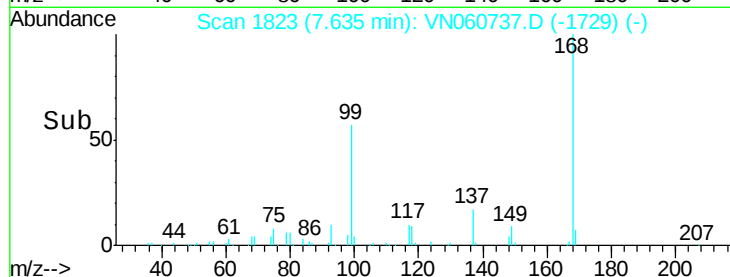
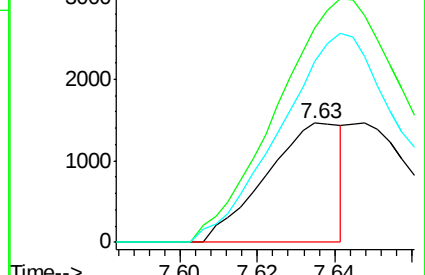
84 151.6 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060737.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060737.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060737.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.505 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060737.D

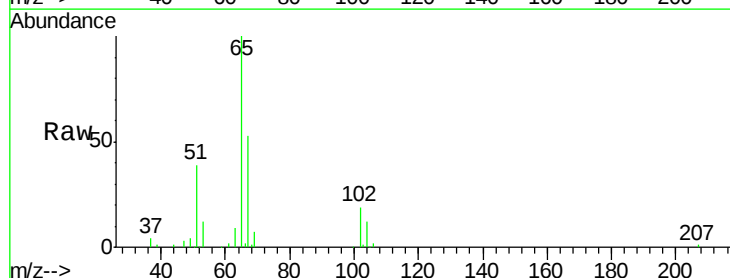
Acq: 27 Mar 2020 13:22

Tgt Ion: 65 Resp: 122704

Ion Ratio Lower Upper

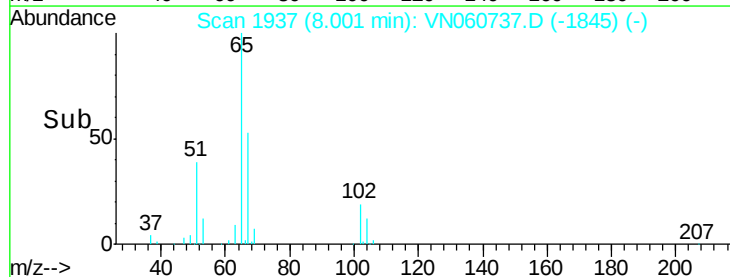
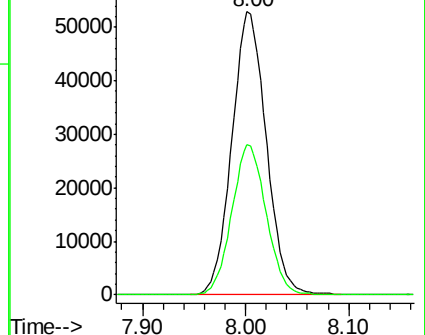
65 100

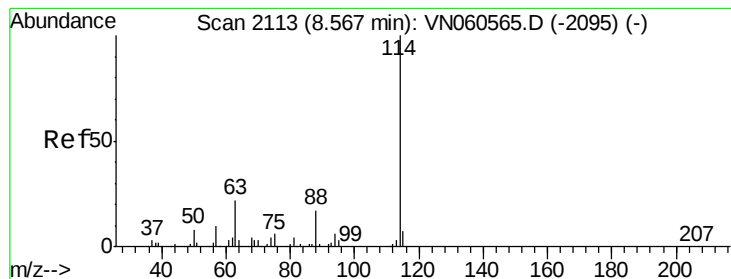
67 53.0 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060737.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060737.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: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#02

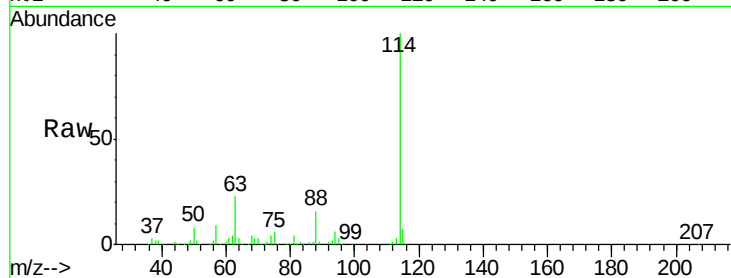
Tgt Ion:114 Resp: 316162

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

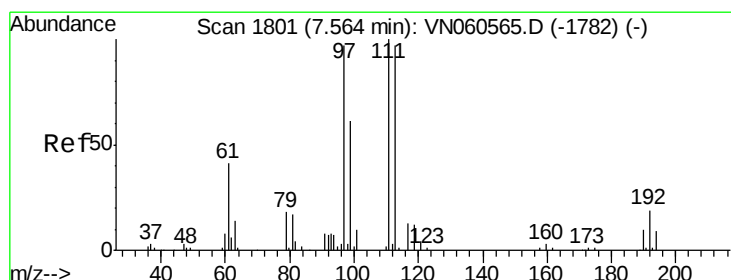
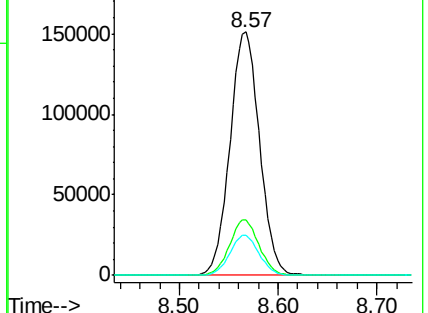
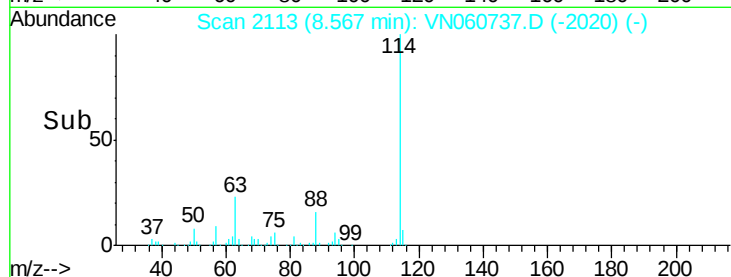
88 16.4 0.0 33.0



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: 48.532 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

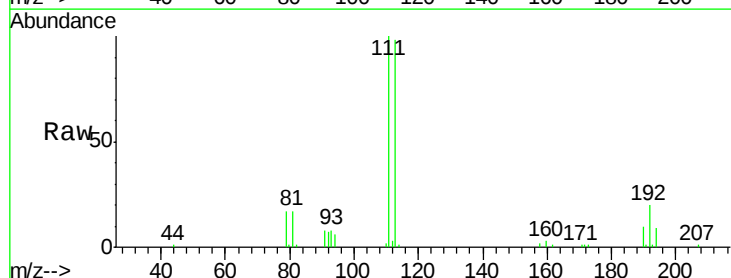
Tgt Ion:113 Resp: 92781

Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

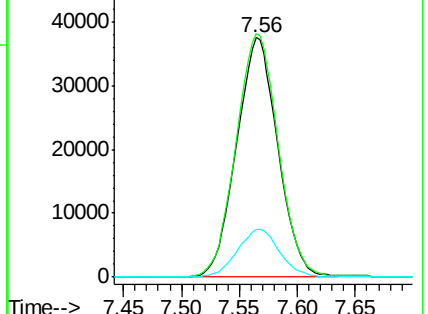
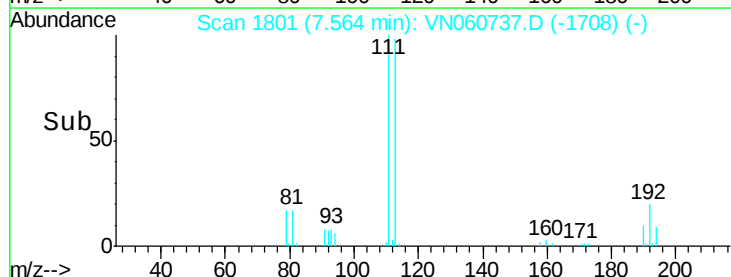
192 20.4 15.8 23.8

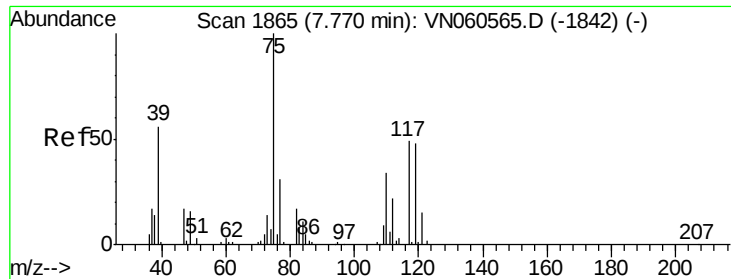


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

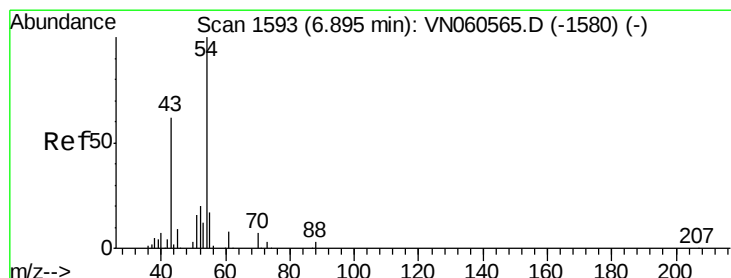
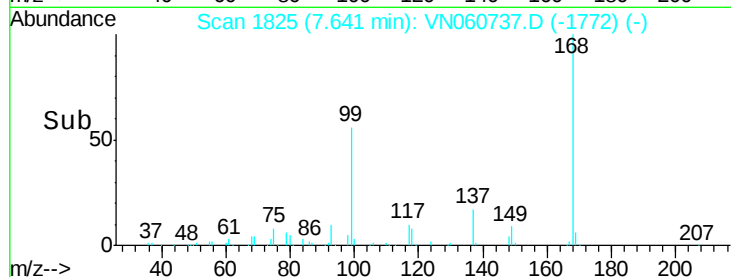
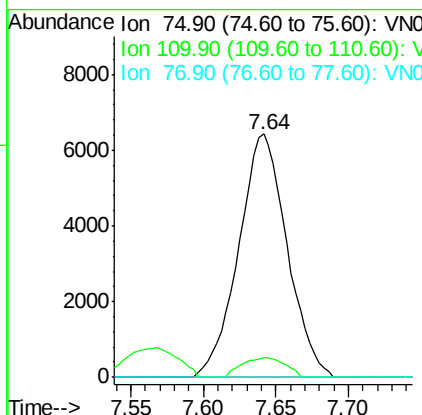
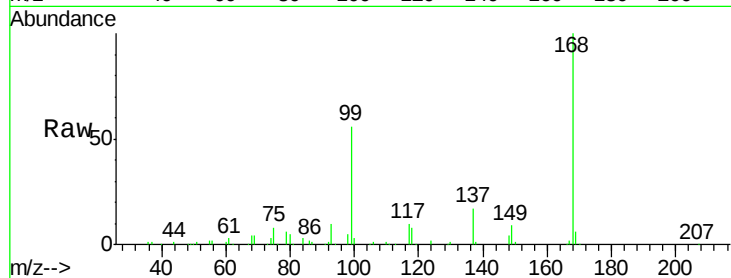




#36
 1,1-Dichloropropene
 Concen: 4.870 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060737.D
 Acq: 27 Mar 2020 13:22

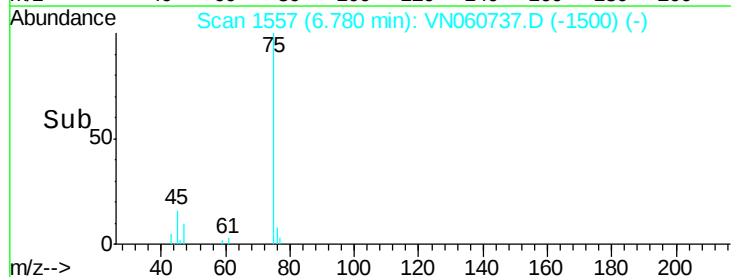
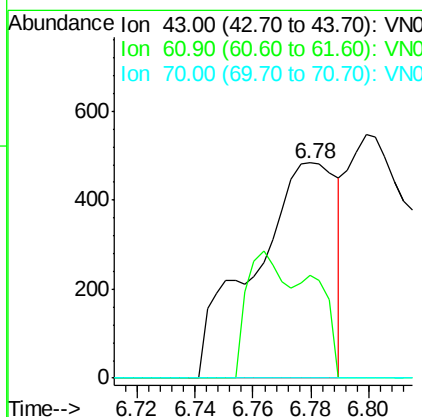
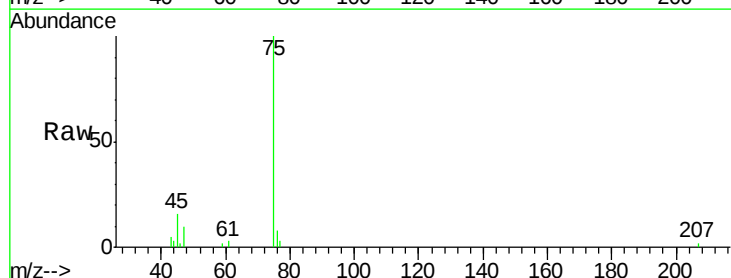
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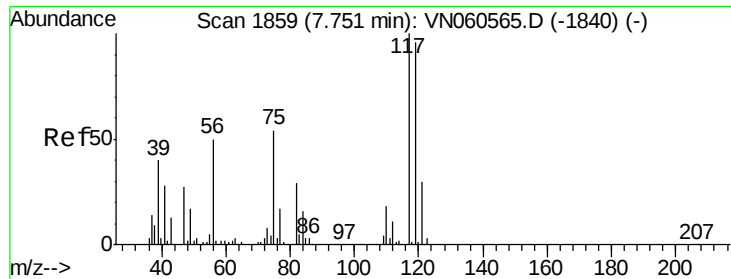
Tgt Ion: 75 Resp: 14908
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.9 50.6#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 0.291 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.12 min
 Lab File: VN060737.D
 Acq: 27 Mar 2020 13:22

Tgt Ion: 43 Resp: 962
 Ion Ratio Lower Upper
 43 100
 61 28.4 10.6 15.8#
 70 0.0 7.9 11.9#

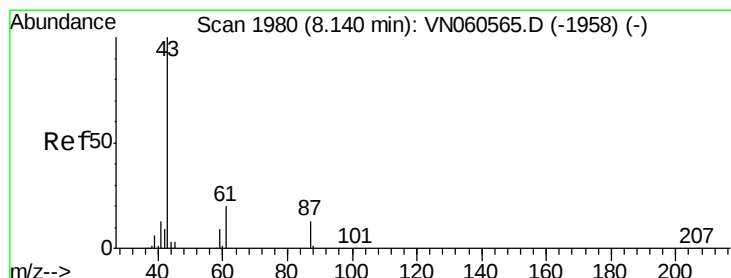
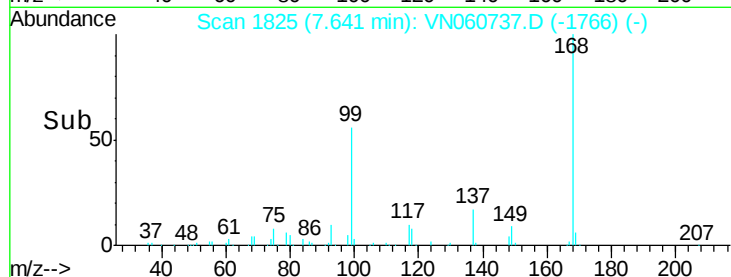
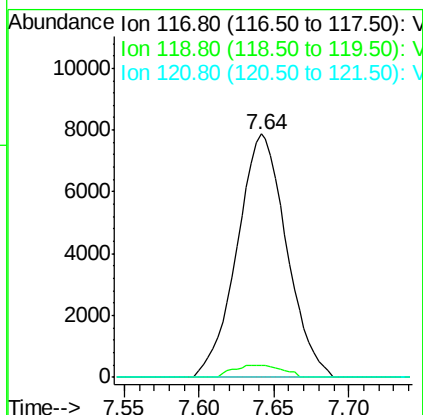
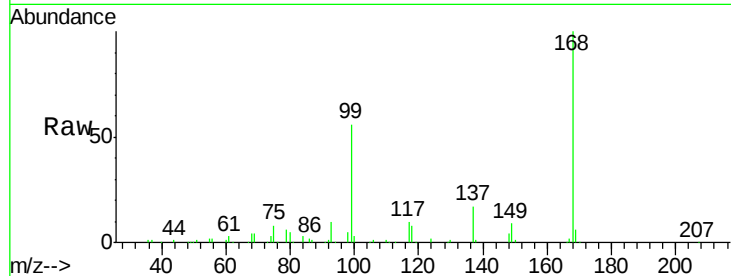




#38
Carbon Tetrachloride
Concen: 6.588 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060737.D
Acq: 27 Mar 2020 13:22

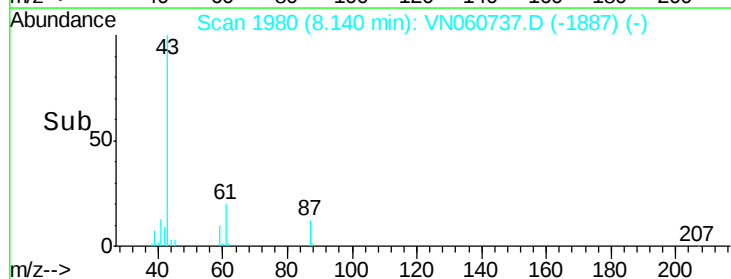
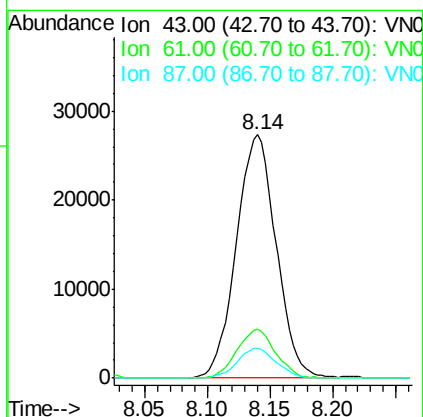
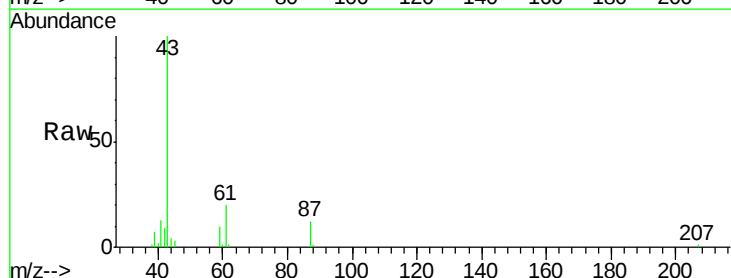
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PB127814ZHE#02

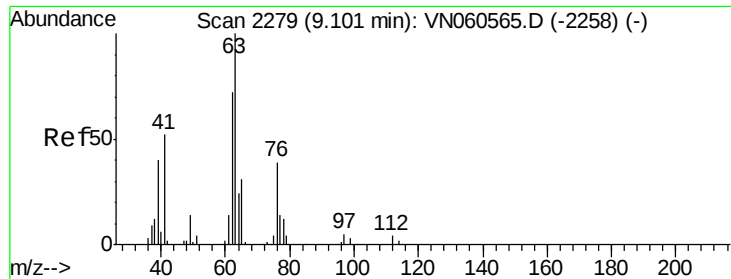
Tgt Ion: 117 Resp: 18076
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 11.084 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060737.D
Acq: 27 Mar 2020 13:22

Tgt Ion: 43 Resp: 60467
Ion Ratio Lower Upper
43 100
61 19.4 20.7 31.1#
87 11.8 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.398 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

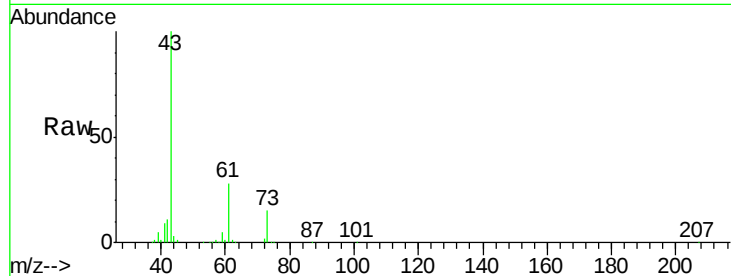
PB127814ZHE#02

Tgt Ion: 63 Resp: 971

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

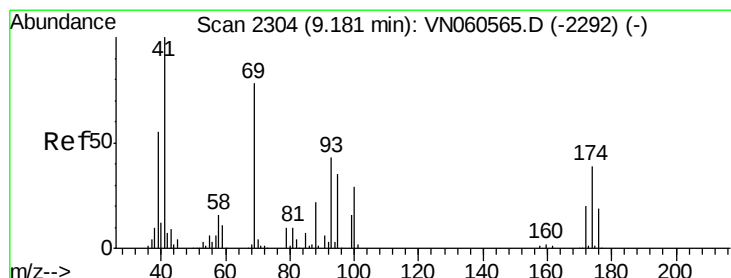
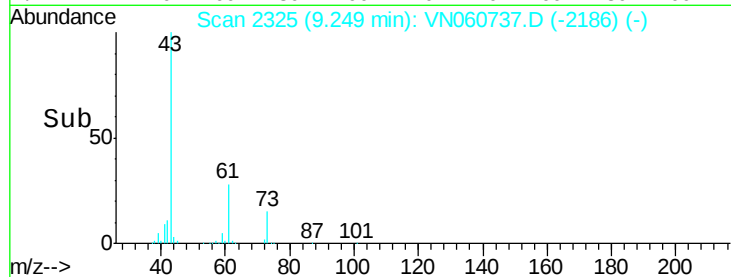
600

400

200

0

Time--> 9.20 9.22 9.24 9.26 9.28



#48

Methyl methacrylate

Concen: 1.232 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

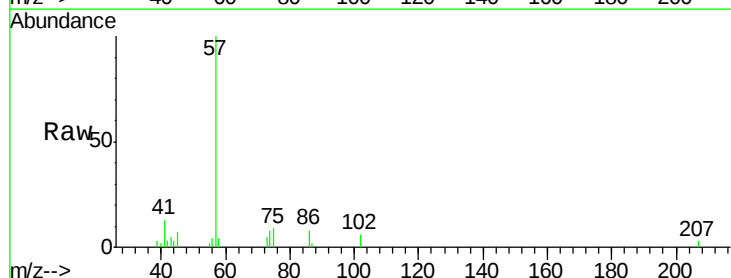
Tgt Ion: 41 Resp: 2993

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

39 0.0 44.0 66.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

40000

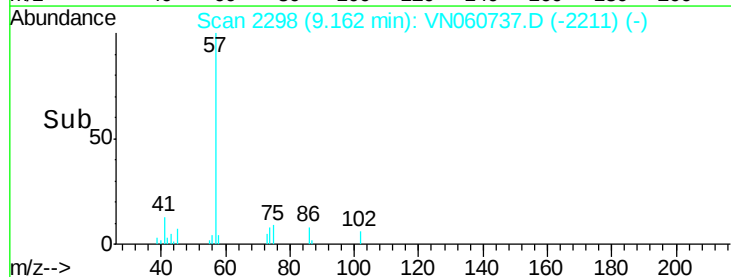
30000

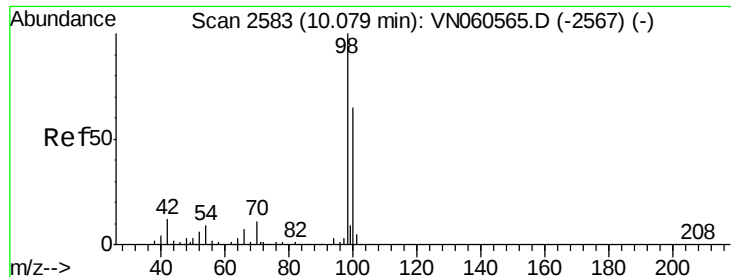
20000

10000

0

Time--> 9.10 9.15 9.20





#50

Toluene-d8

Concen: 50.154 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

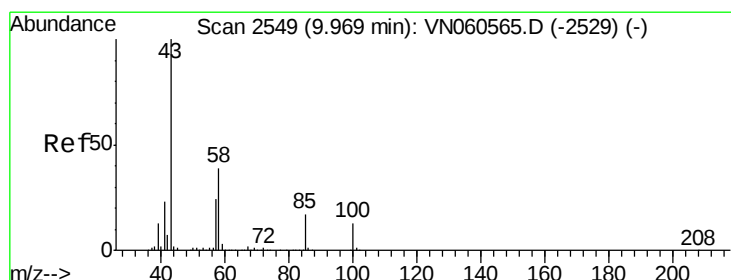
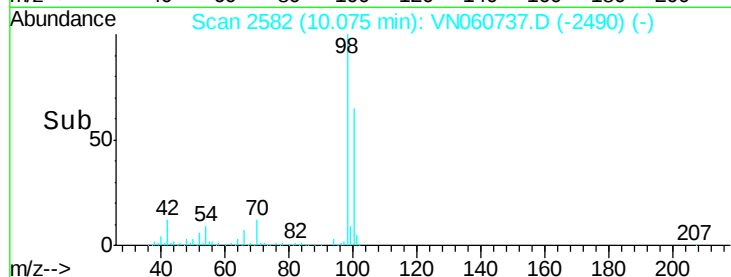
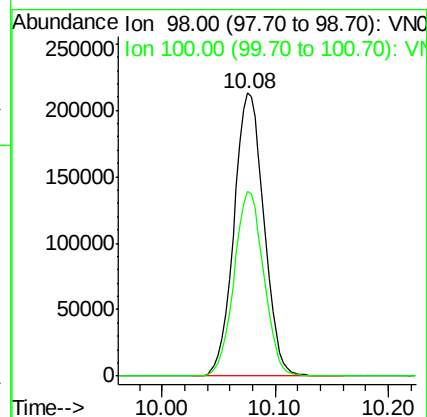
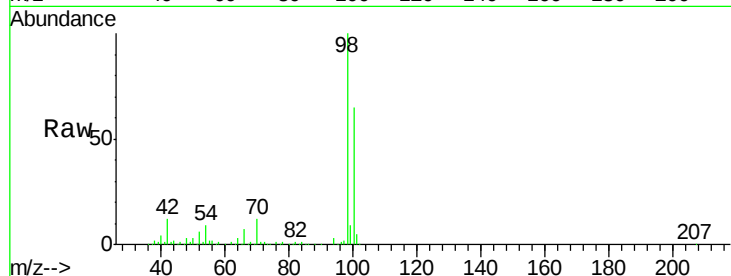
PB127814ZHE#02

Tgt Ion: 98 Resp: 391637

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.454 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060737.D

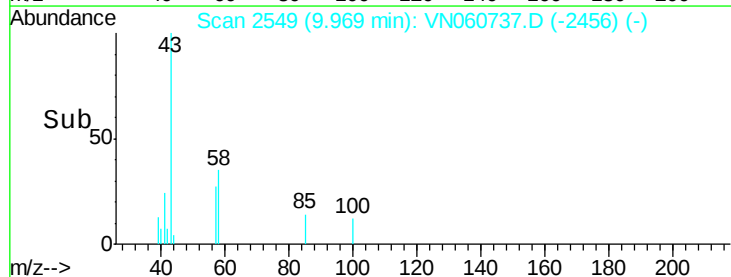
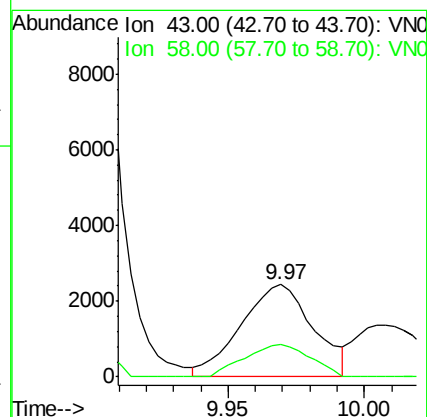
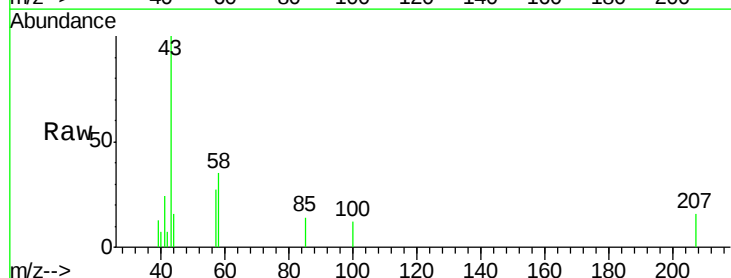
Acq: 27 Mar 2020 13:22

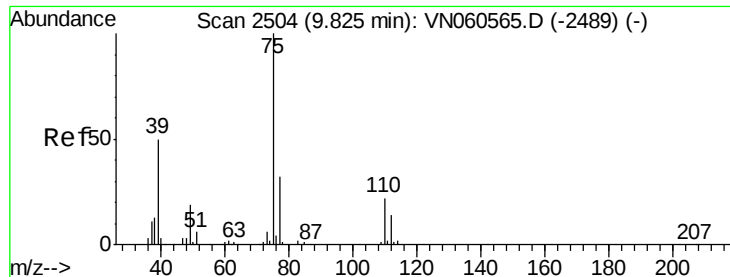
Tgt Ion: 43 Resp: 4514

Ion Ratio Lower Upper

43 100

58 31.6 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.501 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#02

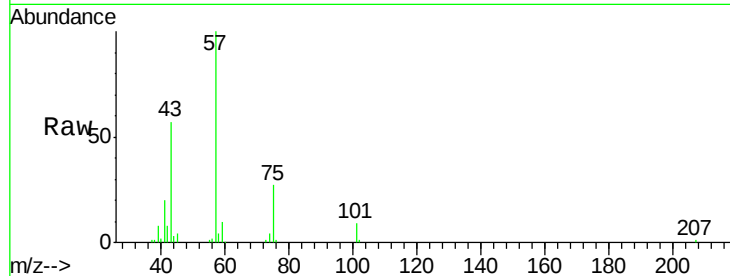
Tgt Ion: 75 Resp: 25098

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

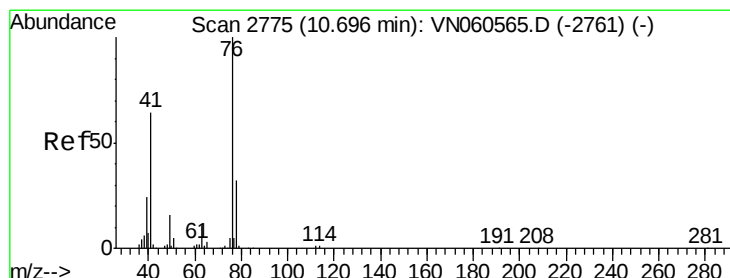
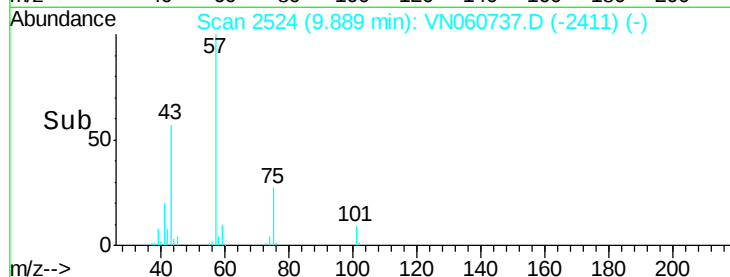
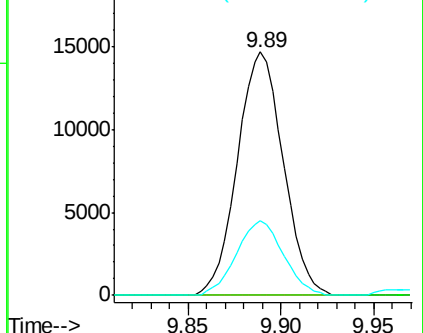
39 30.5 40.2 60.4#



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: 1.062 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060737.D

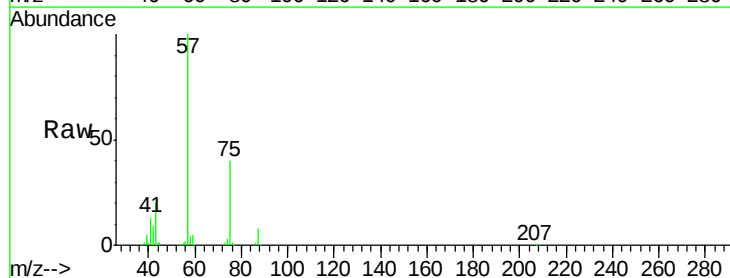
Acq: 27 Mar 2020 13:22

Tgt Ion: 76 Resp: 3957

Ion Ratio Lower Upper

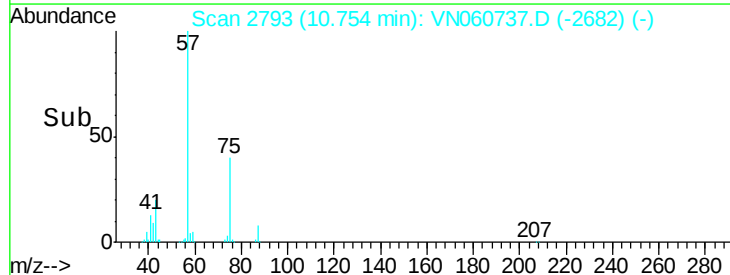
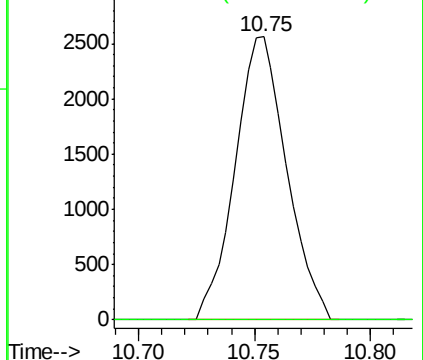
76 100

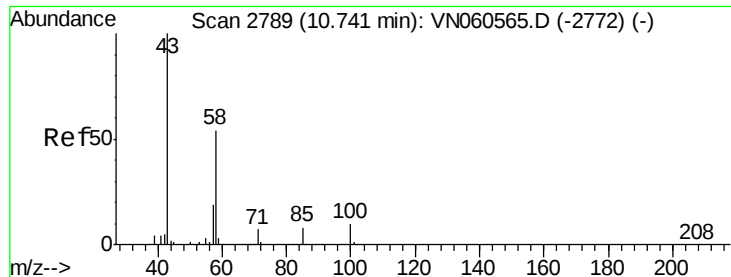
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

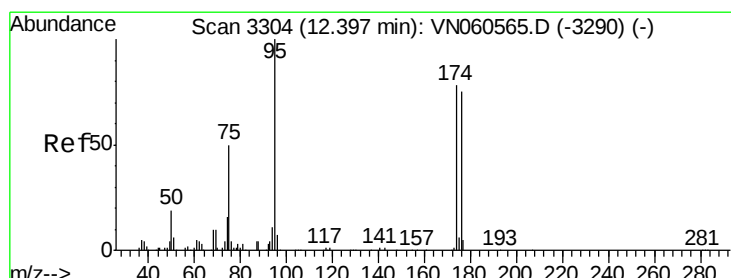
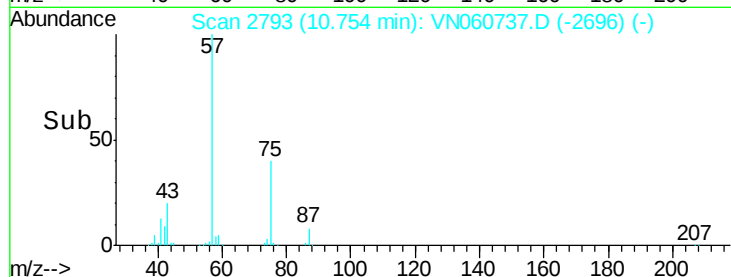
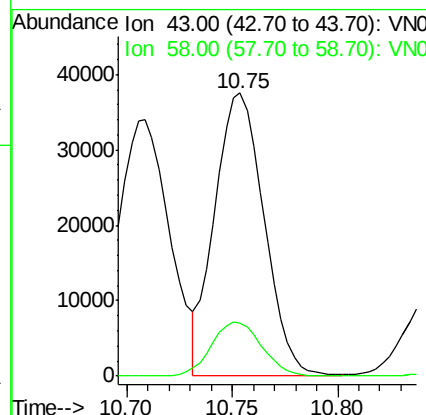
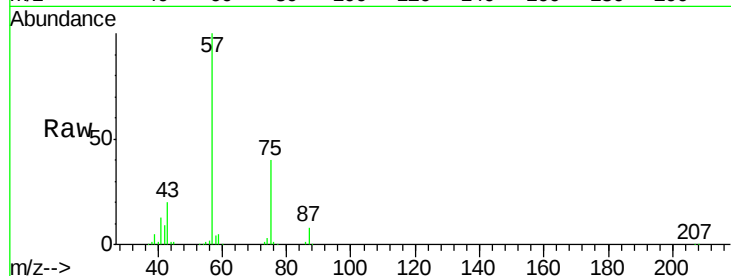




#59
2-Hexanone
Concen: 27.181 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060737.D
Acq: 27 Mar 2020 13:22

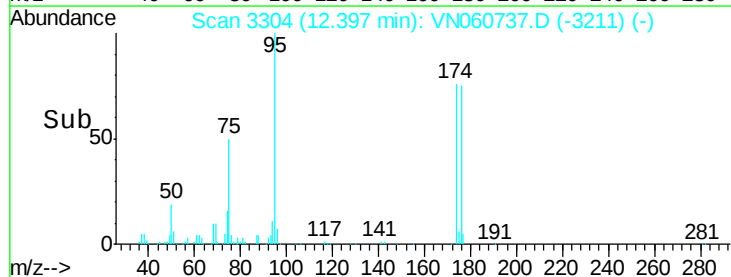
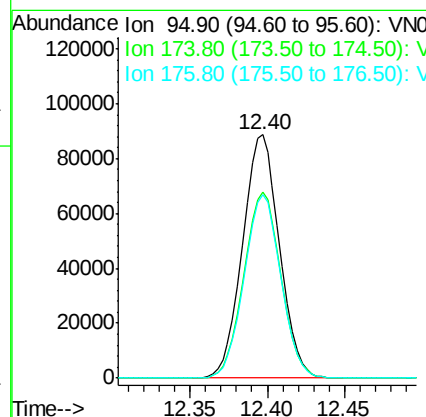
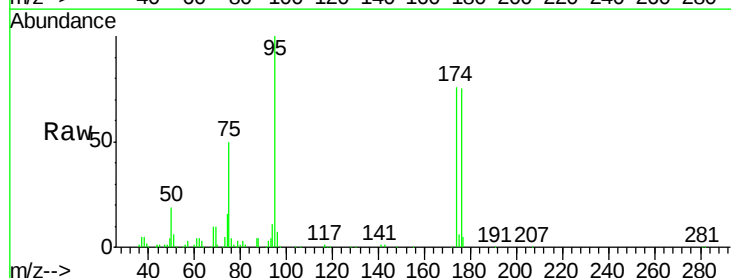
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#02

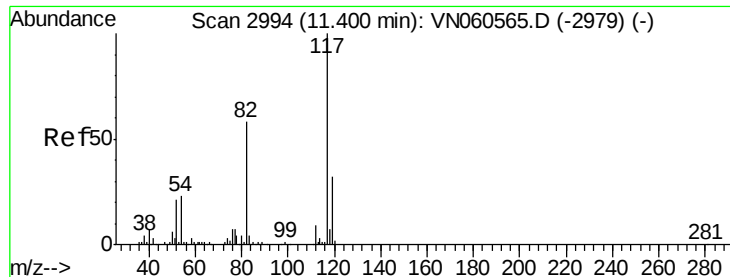
Tgt Ion: 43 Resp: 60783
Ion Ratio Lower Upper
43 100
58 19.7 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.227 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060737.D
Acq: 27 Mar 2020 13:22

Tgt Ion: 95 Resp: 146601
Ion Ratio Lower Upper
95 100
174 77.0 0.0 157.6
176 75.3 0.0 150.6

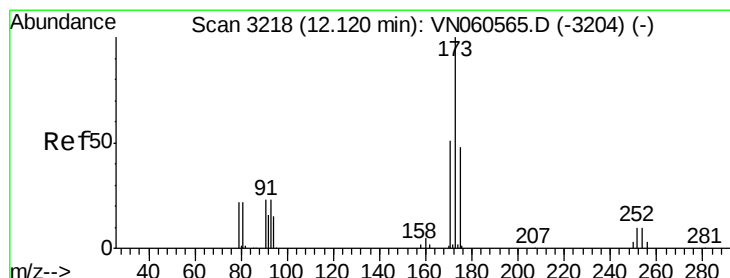
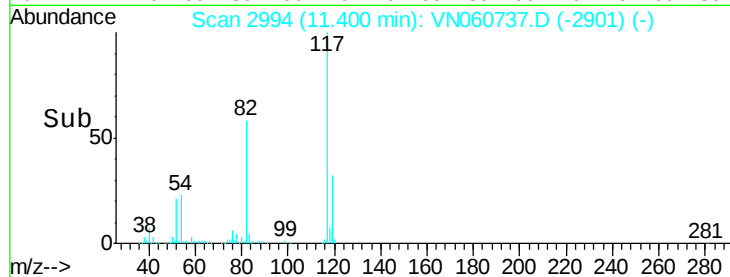
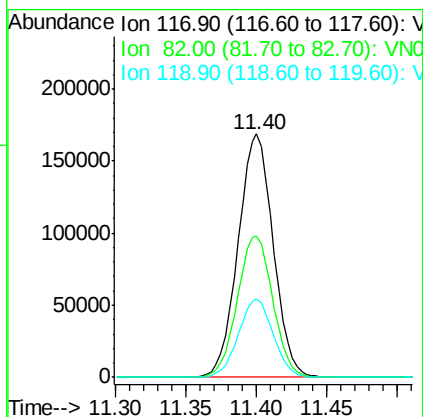
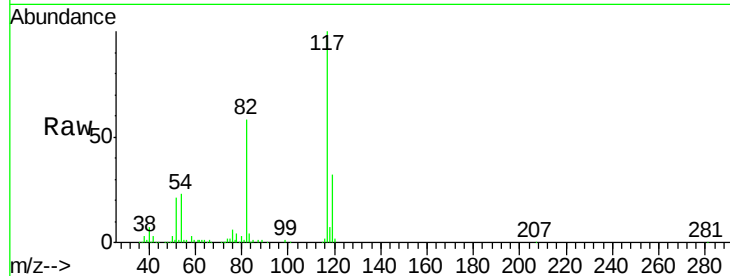




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060737.D
Acq: 27 Mar 2020 13:22

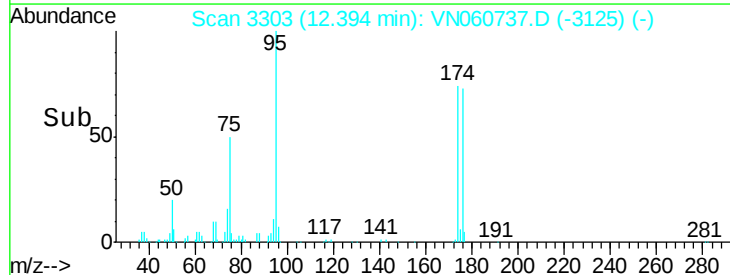
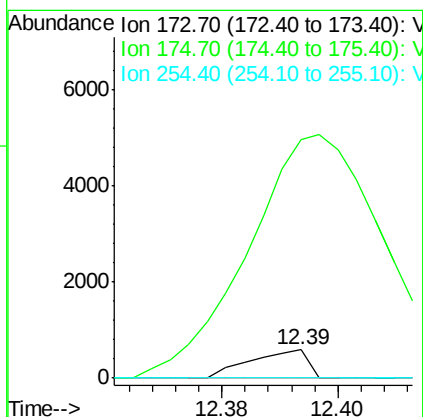
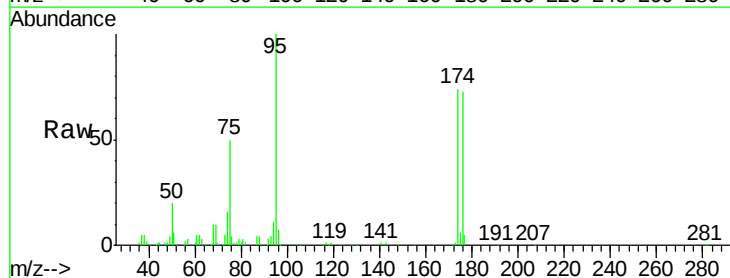
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#02

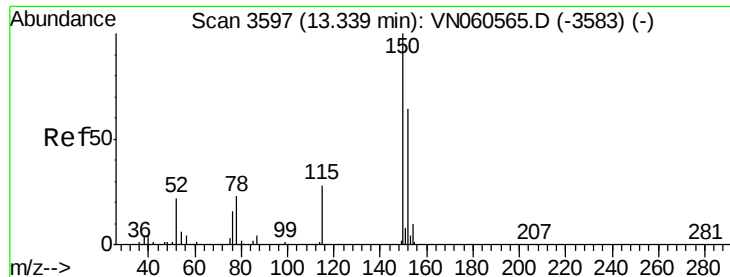
Tgt Ion:117 Resp: 293849
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 32.2 25.5 38.3



#71
Bromoform
Concen: 1.902 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060737.D
Acq: 27 Mar 2020 13:22

Tgt Ion:173 Resp: 402
Ion Ratio Lower Upper
173 100
175 1757.0 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: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#02

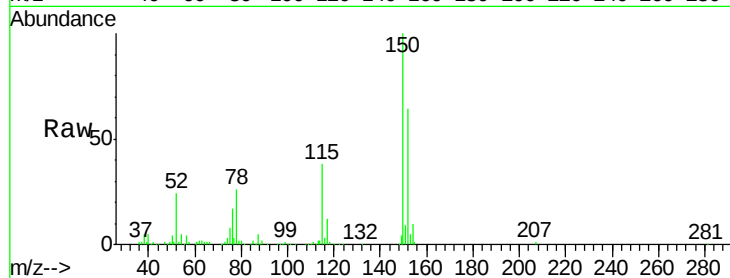
Tgt Ion: 152 Resp: 135567

Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

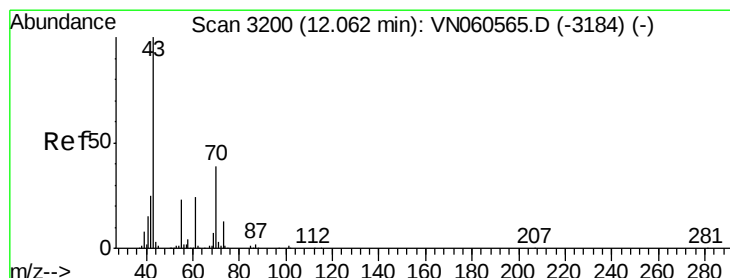
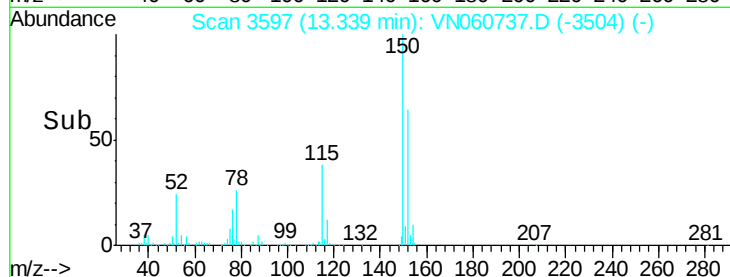
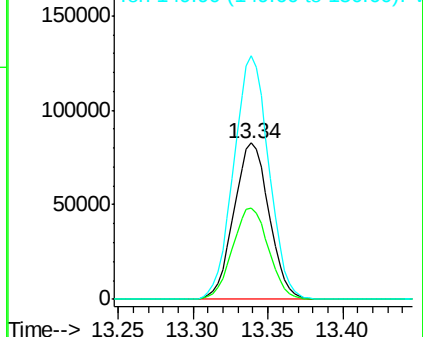
150 155.4 0.0 350.2



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: 0.412 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

Tgt Ion: 43 Resp: 1935

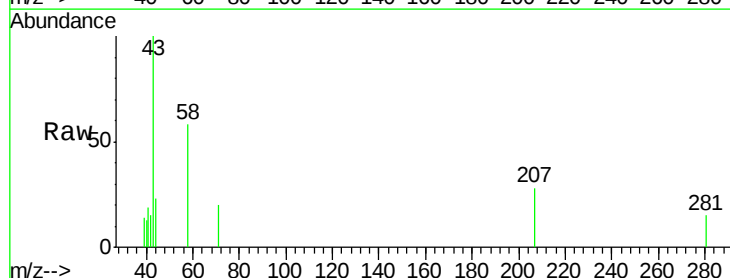
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

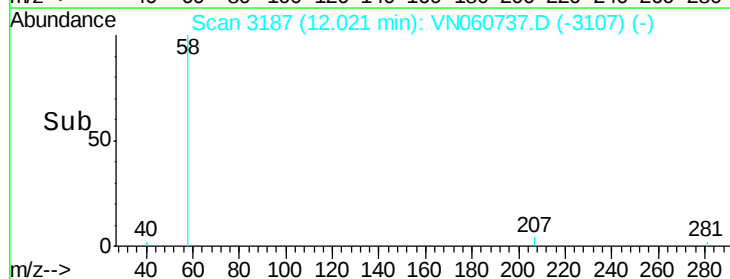
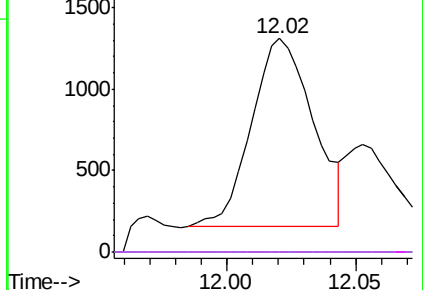


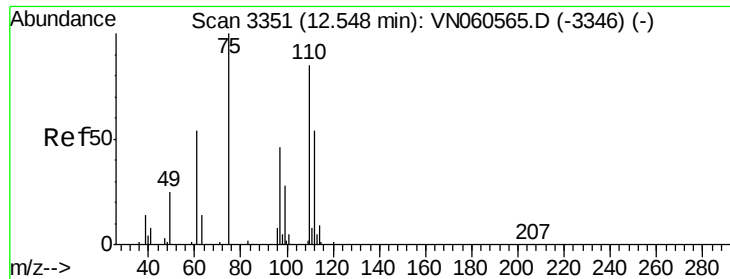
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.130 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

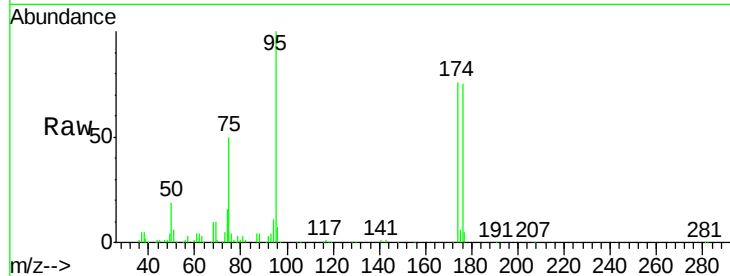
PB127814ZHE#02

Tgt Ion: 75 Resp: 73512

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060737.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060737.D (-3304) (-)

12.40

50000

40000

30000

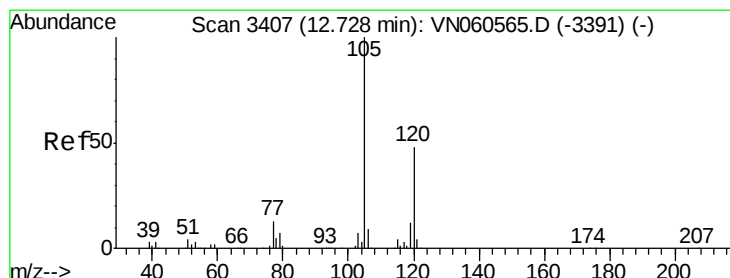
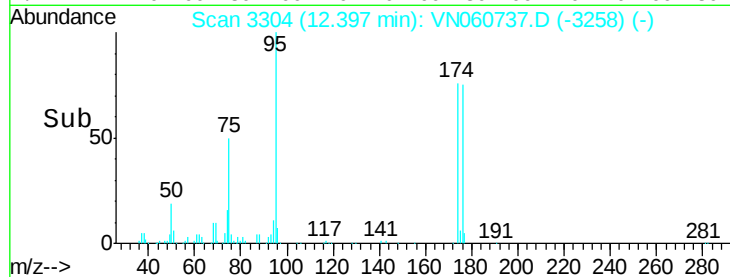
20000

10000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.362 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060737.D

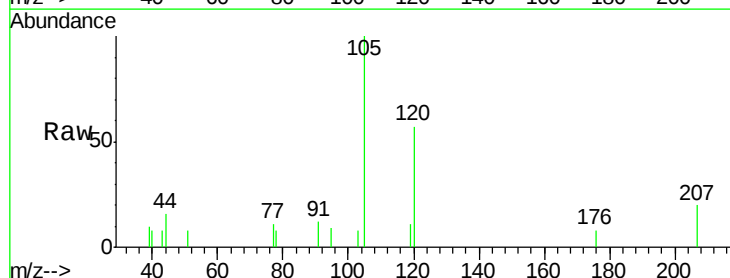
Acq: 27 Mar 2020 13:22

Tgt Ion: 105 Resp: 3127

Ion Ratio Lower Upper

105 100

120 51.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060737.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060737.D (-3314) (-)

12.73

2000

1500

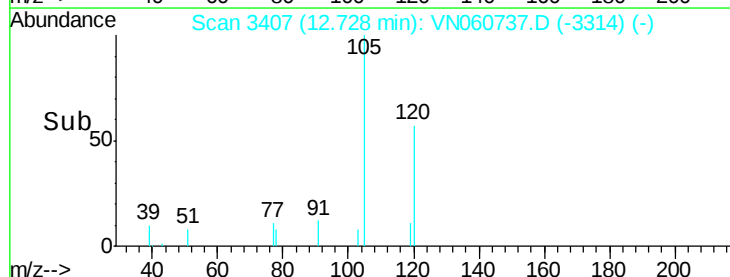
1000

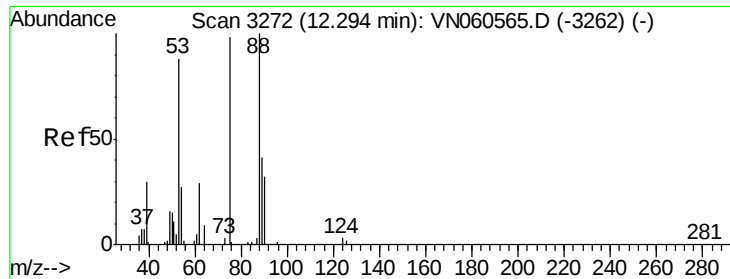
500

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 64.542 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060737.D

Acq: 27 Mar 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#02

Tgt Ion: 75 Resp: 73512

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

