

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062474.D
 Acq On : 9 Jul 2020 23:03
 Operator : JC/MD
 Sample : PB130035ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130035ZHE#05

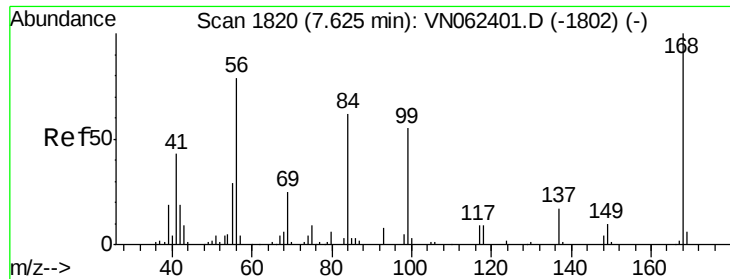
Quant Time: Jul 10 02:10:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	201253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	371816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	362355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136936	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	159755	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	7.55	113	117347	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.06	98	480971	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.38	95	173496	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	388	0.254	ug/l #	41
11) Tert butyl alcohol	4.72	59	189	0.368	ug/l #	74
14) Allyl chloride	4.51	41	973	0.200	ug/l #	28
16) Acetone	3.79	43	13610	10.356	ug/l	94
18) Methyl Acetate	4.29	43	5927	1.807	ug/l #	82
20) Methylene Chloride	4.50	84	19898	7.081	ug/l	86
25) 2-Butanone	6.79	43	1792	0.934	ug/l	98
29) Tetrahydrofuran	7.17	42	367	0.284	ug/l #	46
31) Cyclohexane	7.63	56	4985	1.060	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	18406	4.914	ug/l #	51
38) Carbon Tetrachloride	7.63	117	20565	6.106	ug/l #	15
43) Isopropyl Acetate	8.13	43	75445	10.903	ug/l #	92
45) 1,2-Dichloropropane	9.24	63	1274	0.398	ug/l #	44
48) Methyl methacrylate	9.15	41	4448	1.310	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	6396	1.548	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	28260	5.912	ug/l #	62
56) Ethyl methacrylate	10.52	69	1162	1.955	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4640	1.001	ug/l #	43
59) 2-Hexanone	10.74	43	79839	26.610	ug/l #	54
71) Bromoform	12.38	173	1269	0.667	ug/l #	1
74) N-amyl acetate	12.00	43	2830	0.549	ug/l #	46
76) 1,2,3-Trichloropropane	12.37	75	91244	27.156	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3260	0.375	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.37	75	91244	72.686	ug/l #	10
95) Naphthalene	15.11	128	798	Below Cal	#	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

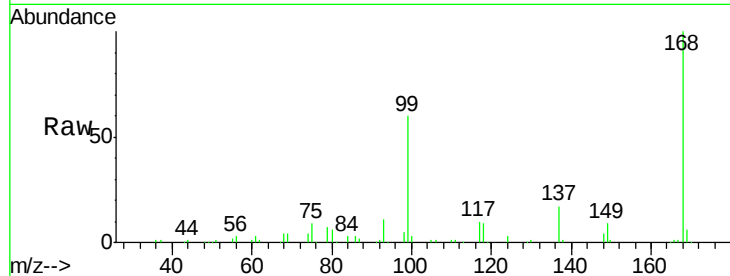
PB130035ZHE#05

Tot Ion:168 Resp: 201253

Ion Ratio Lower Upper

168 100

99 60.1 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): VN062474.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062474.D (-1727) (-)

7.63

80000

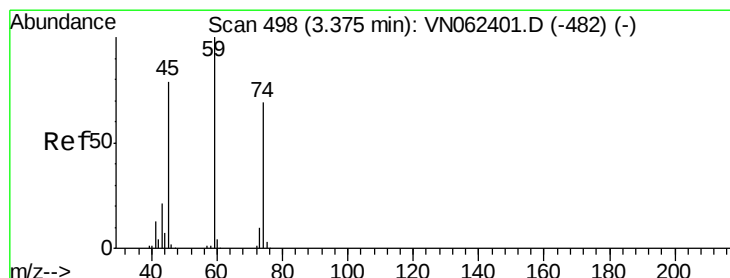
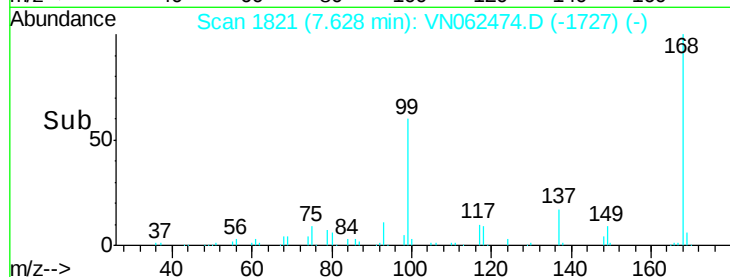
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#8

Diethyl Ether

Concen: 0.254 ug/l

RT: 3.37 min Scan# 497

Delta R.T. -0.00 min

Lab File: VN062474.D

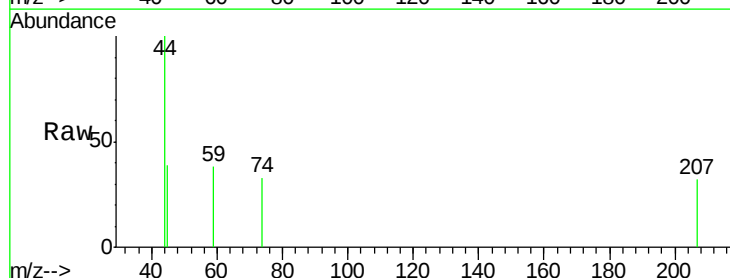
Acq: 9 Jul 2020 23:03

Tgt Ion: 74 Resp: 388

Ion Ratio Lower Upper

74 100

45 180.9 58.5 175.3#



Abundance Ion 74.00 (73.70 to 74.70): VN062474.D (-405) (-)

Ion 45.00 (44.70 to 45.70): VN062474.D (-405) (-)

3.37

400

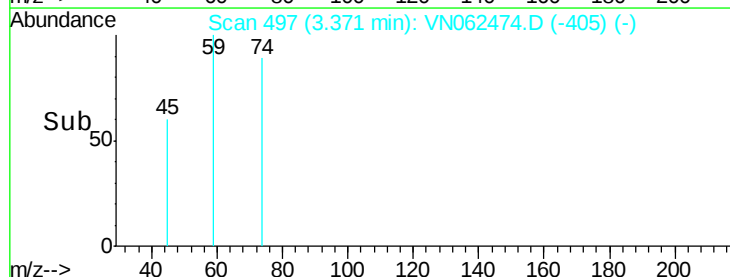
300

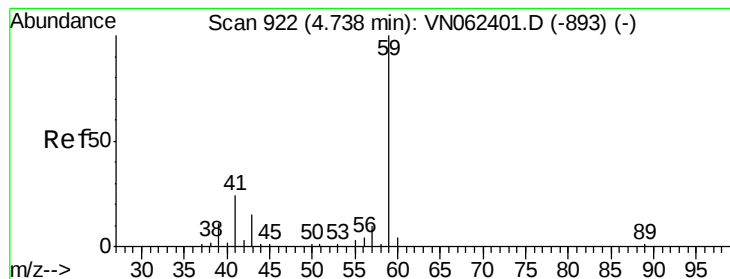
200

100

0

Time--> 3.34 3.36 3.38





#11

Tert butyl alcohol

Concen: 0.368 ug/l

RT: 4.72 min Scan# 915

Delta R.T. -0.02 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

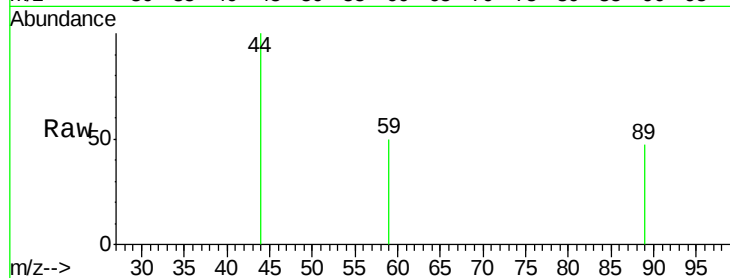
PB130035ZHE#05

Tot Ion: 59 Resp: 189

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.72

250

200

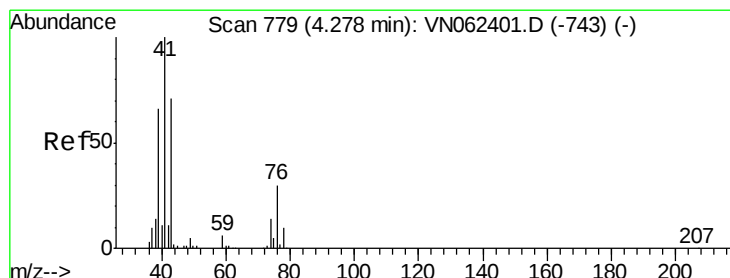
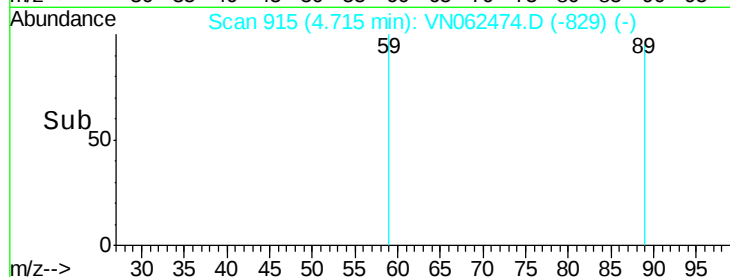
150

100

50

0

Time-->



#14

Allyl chloride

Concen: 0.200 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.23 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

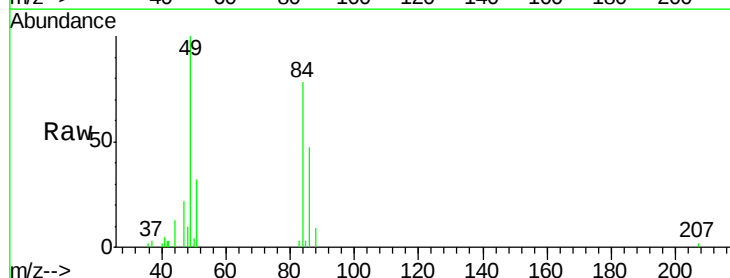
Tgt Ion: 41 Resp: 973

Ion Ratio Lower Upper

41 100

39 0.0 49.6 74.4#

76 0.0 22.2 33.4#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

600

500

400

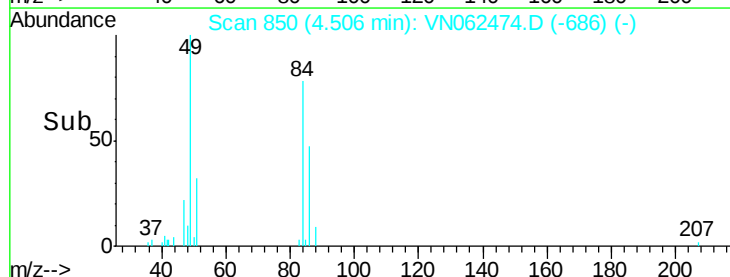
300

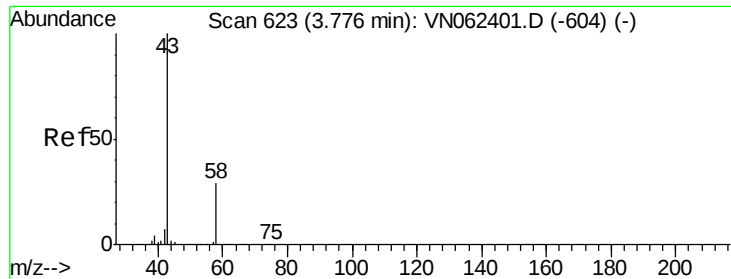
200

100

0

Time-->

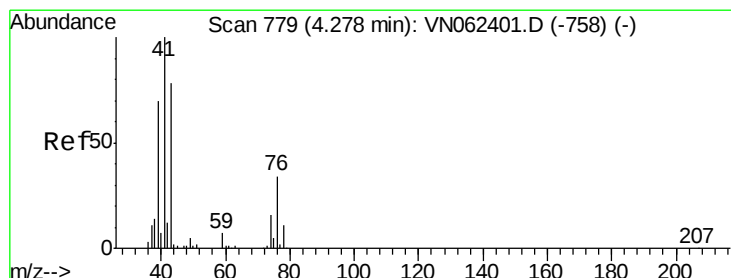
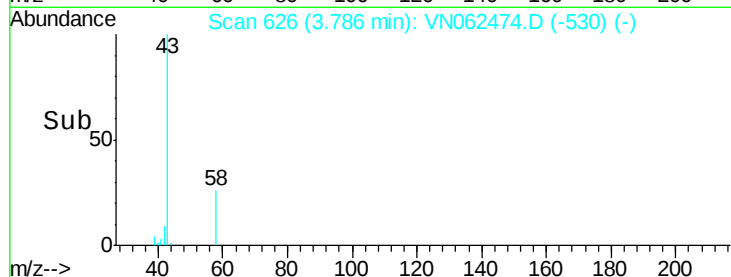
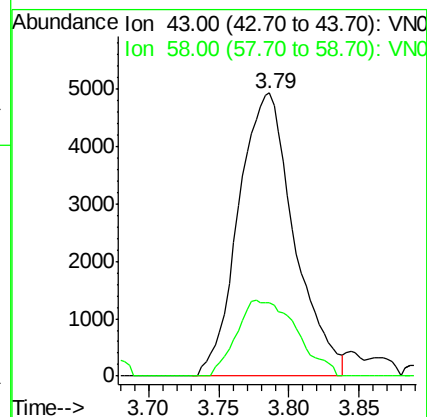
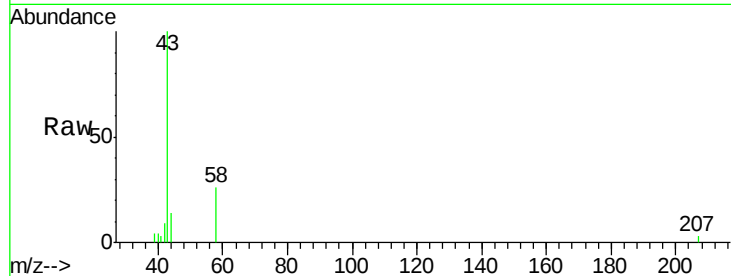




#16
Acetone
Concen: 10.356 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

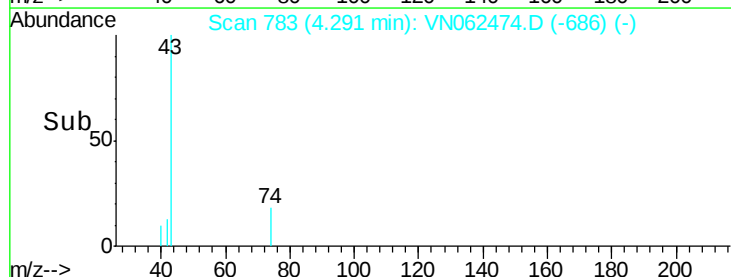
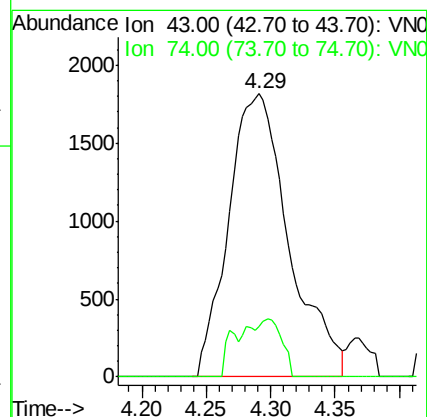
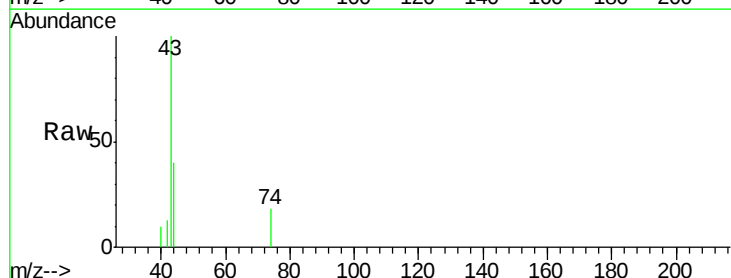
Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#05

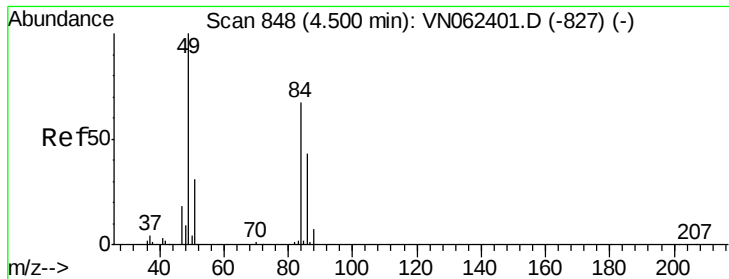
Tot Ion: 43 Resp: 13610
Ion Ratio Lower Upper
43 100
58 26.1 23.5 35.3



#18
Methyl Acetate
Concen: 1.807 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

Tgt Ion: 43 Resp: 5927
Ion Ratio Lower Upper
43 100
74 11.7 16.0 24.0#

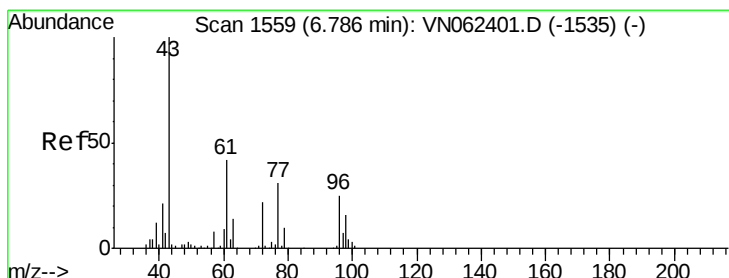
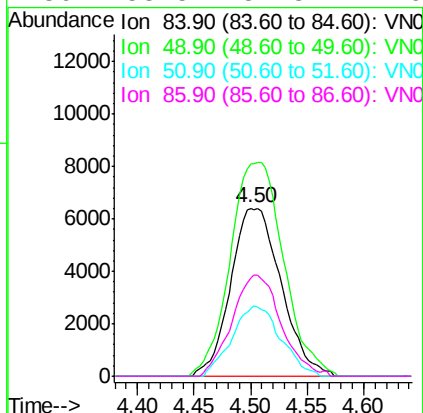
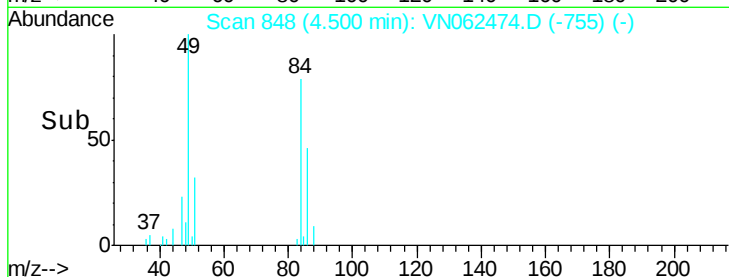
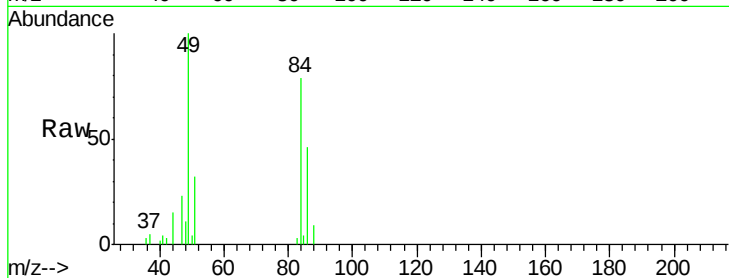




#20
Methvlene Chloride
Concen: 7.081 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

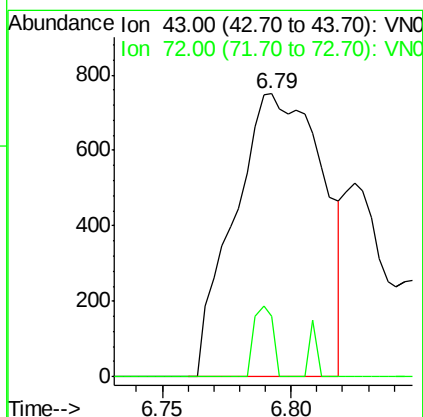
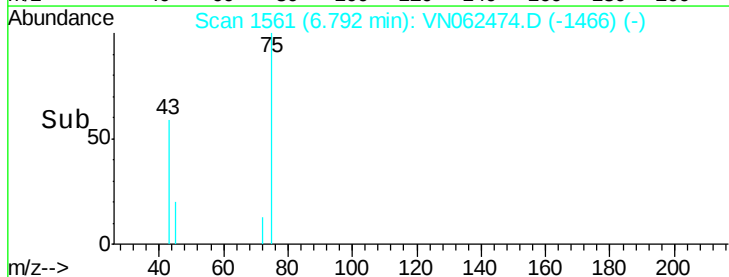
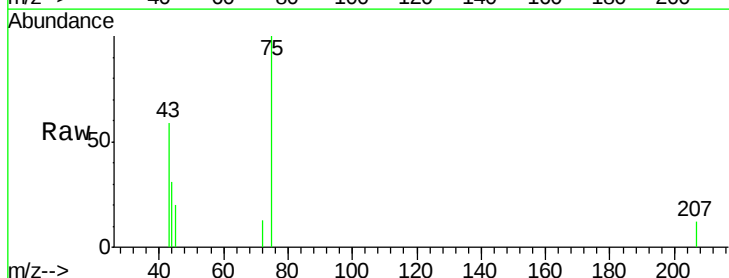
Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#05

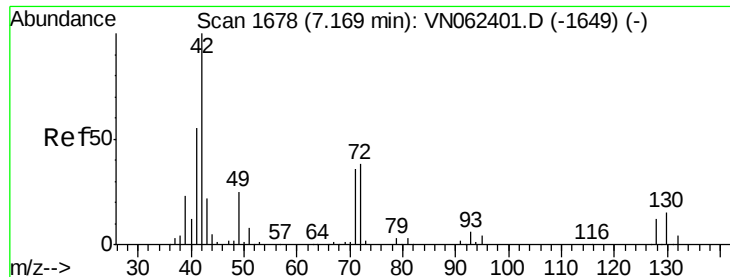
Tot Ion: 84 Resp: 19898
Ion Ratio Lower Upper
84 100
49 126.1 120.0 180.0
51 40.4 37.0 55.6
86 58.5 51.8 77.6



#25
2-Butanone
Concen: 0.934 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

Tgt Ion: 43 Resp: 1792
Ion Ratio Lower Upper
43 100
72 21.5 17.9 26.9





#29

Tetrahydrofuran

Concen: 0.284 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

PB130035ZHE#05

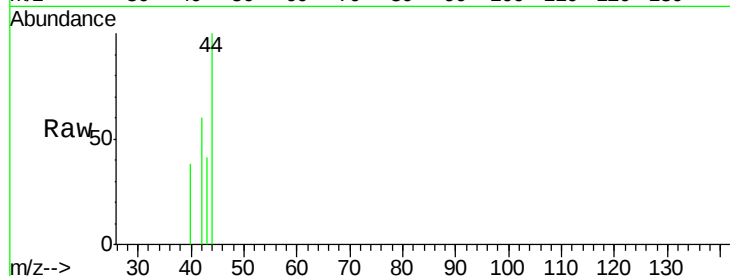
Tot Ion: 42 Resp: 367

Ion Ratio Lower Upper

42 100

72 8.4 29.1 43.7#

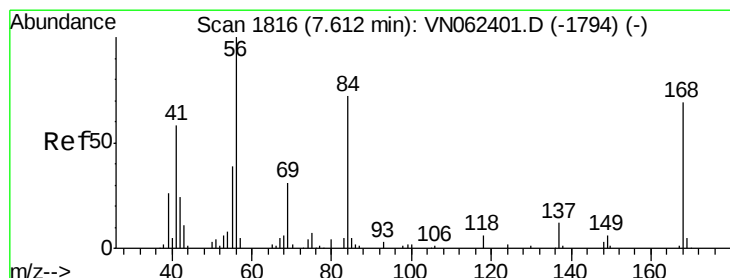
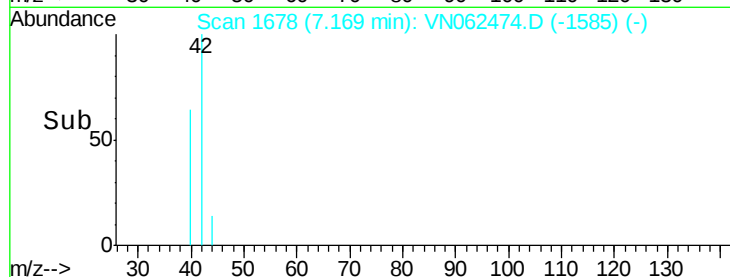
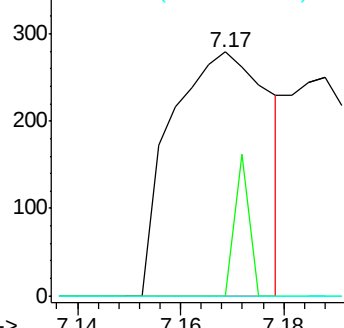
71 0.0 28.1 42.1#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

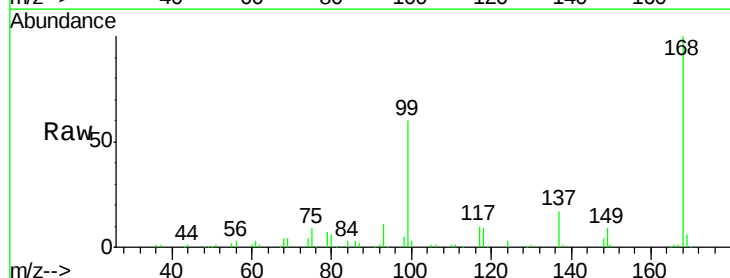
Tgt Ion: 56 Resp: 4985

Ion Ratio Lower Upper

56 100

69 164.0 24.5 36.7#

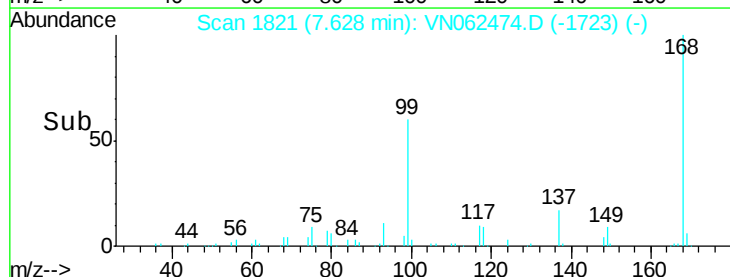
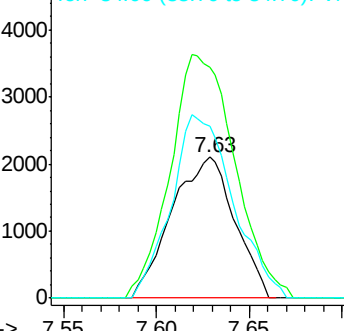
84 122.1 57.4 86.2#

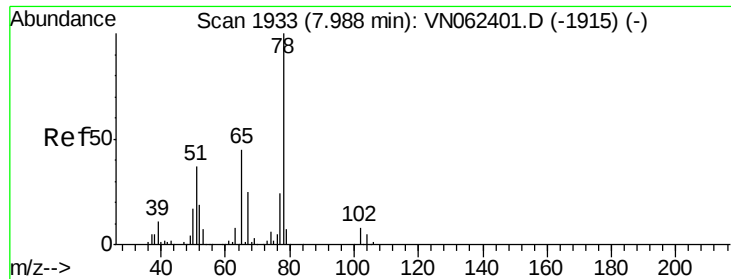


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.608 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

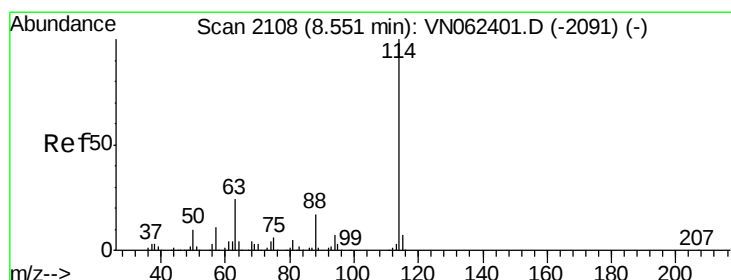
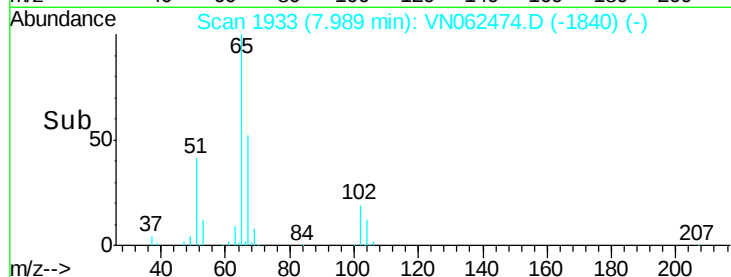
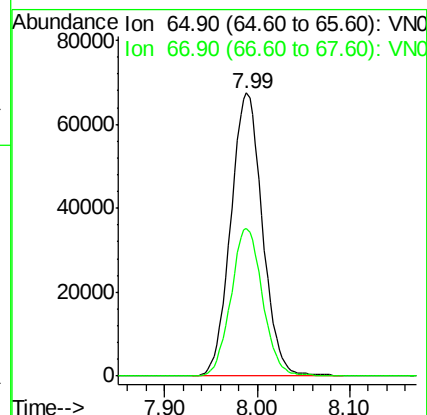
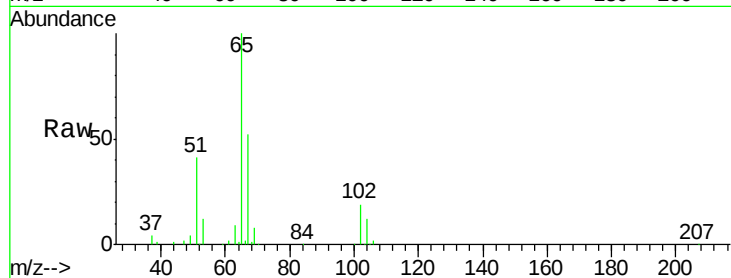
PB130035ZHE#05

Tot Ion: 65 Resp: 159755

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

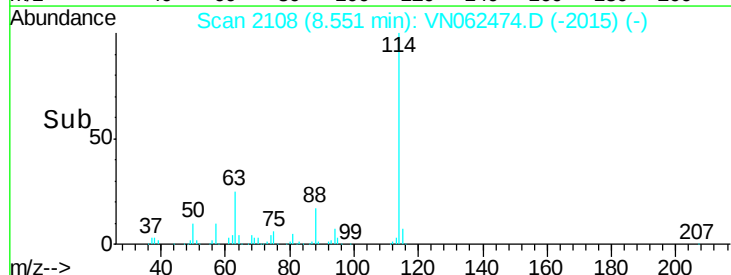
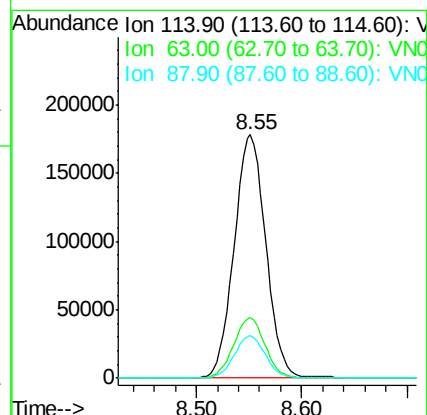
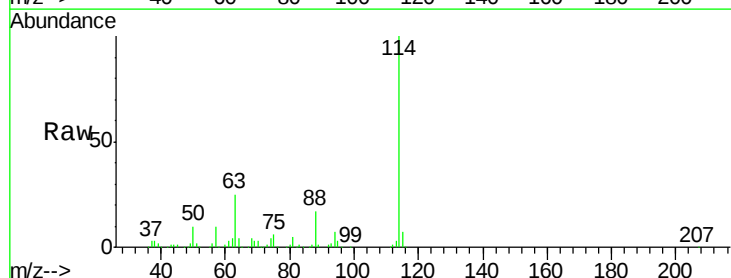
Tgt Ion: 114 Resp: 371816

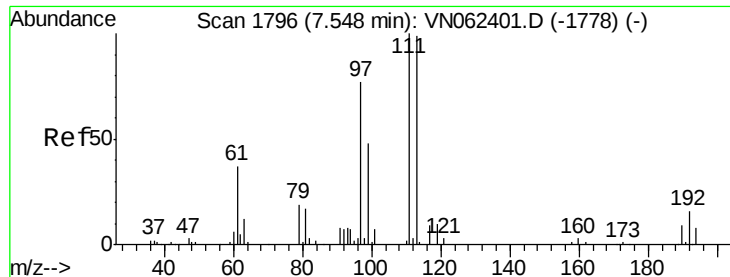
Ion Ratio Lower Upper

114 100

63 24.8 0.0 48.4

88 17.3 0.0 33.8

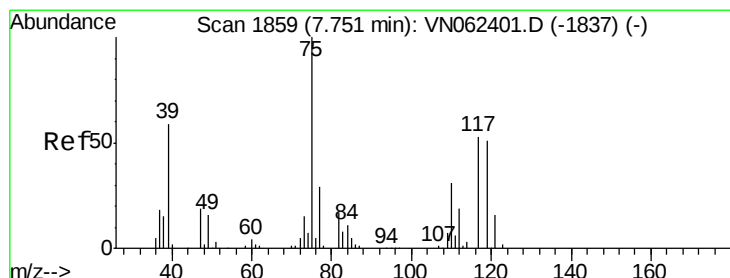
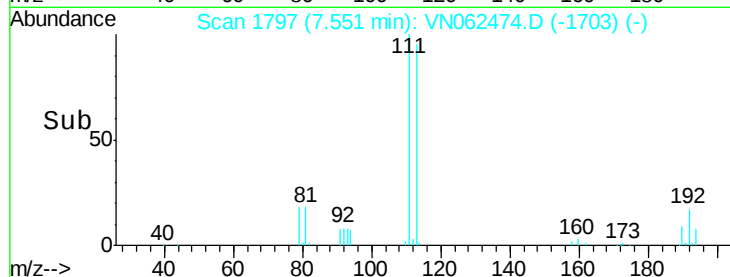
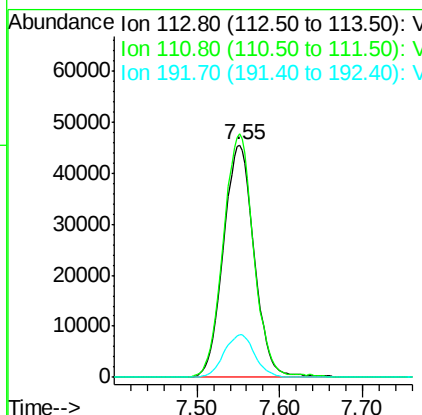
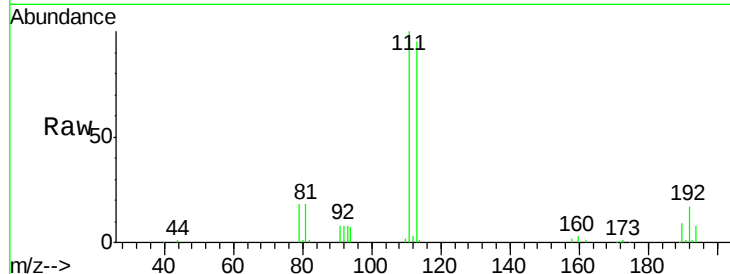




#35
Dibromofluoromethane
Concen: 51.058 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

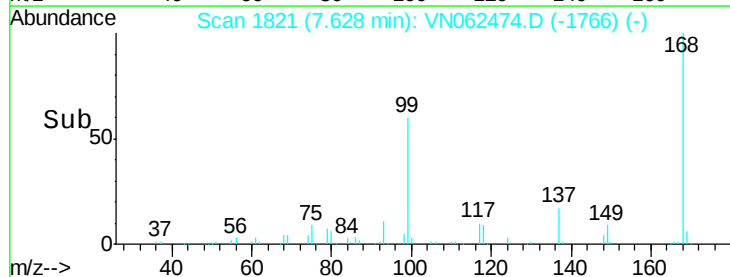
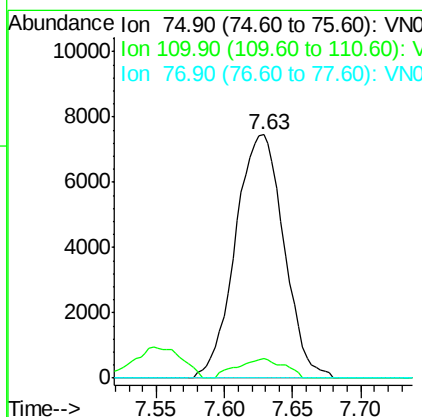
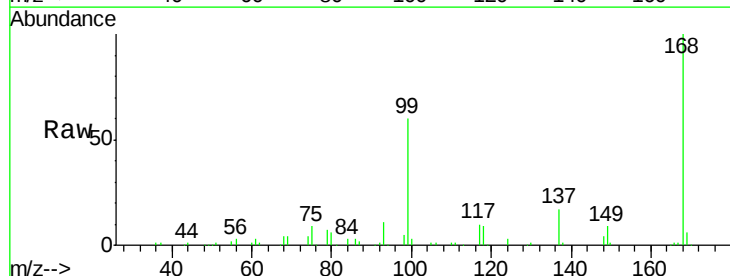
Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#05

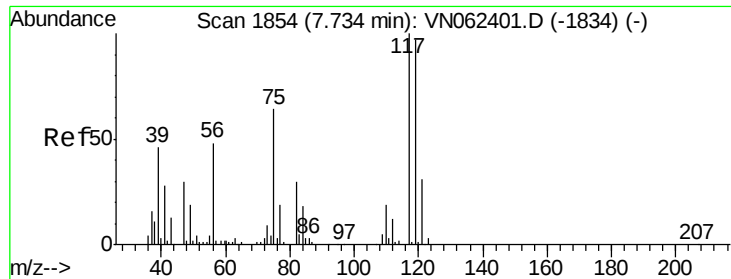
Tot Ion:113 Resp: 117347
Ion Ratio Lower Upper
113 100
111 103.2 83.1 124.7
192 18.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.914 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.12 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

Tgt Ion: 75 Resp: 18406
Ion Ratio Lower Upper
75 100
110 7.7 15.4 46.2#
77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 6.106 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

PB130035ZHE#05

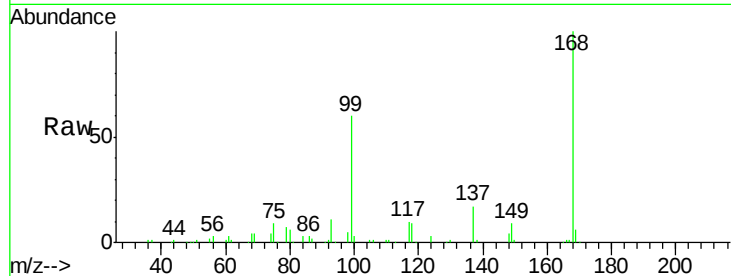
Tot Ion:117 Resp: 20565

Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

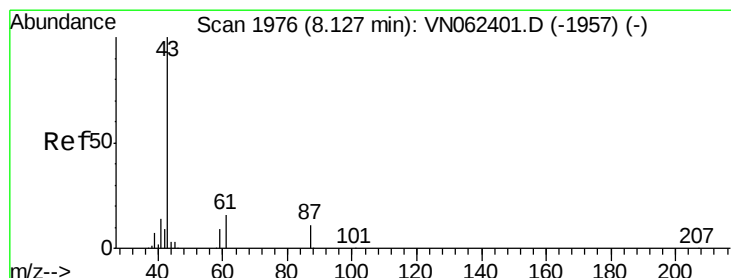
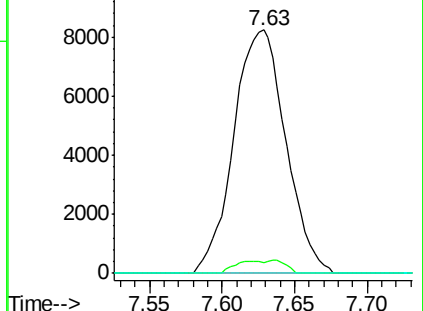
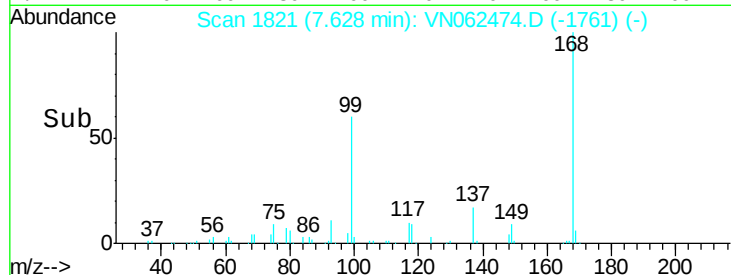
121 0.0 24.8 37.2#



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: 10.903 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

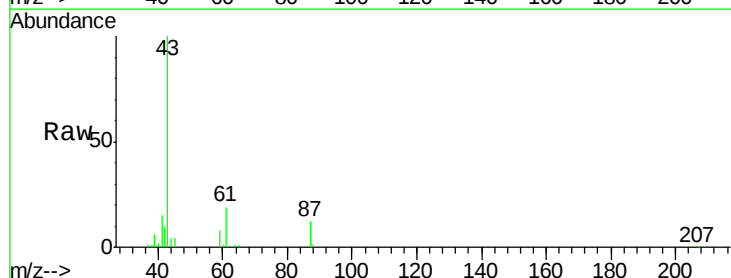
Tgt Ion: 43 Resp: 75445

Ion Ratio Lower Upper

43 100

61 18.3 19.3 28.9#

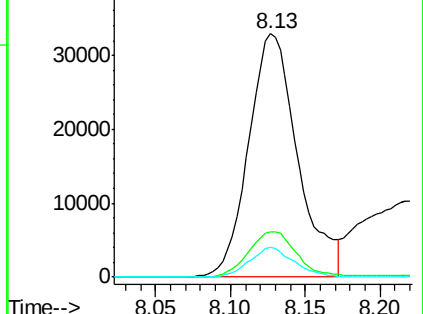
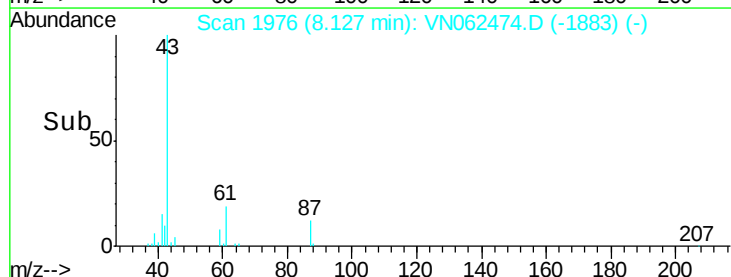
87 10.9 8.6 13.0

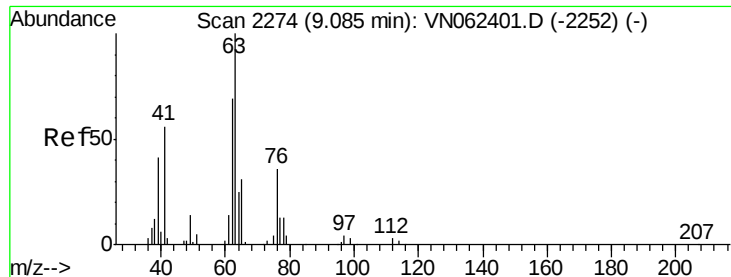


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.398 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

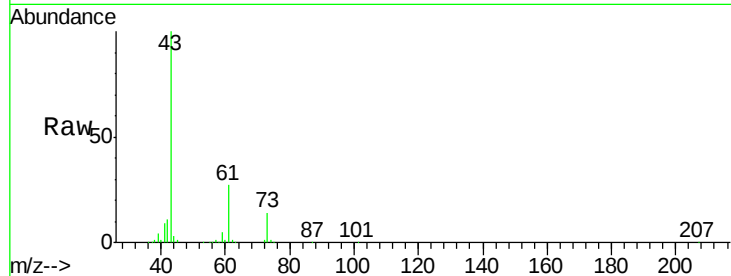
PB130035ZHE#05

Tot Ion: 63 Resp: 1274

Ion Ratio Lower Upper

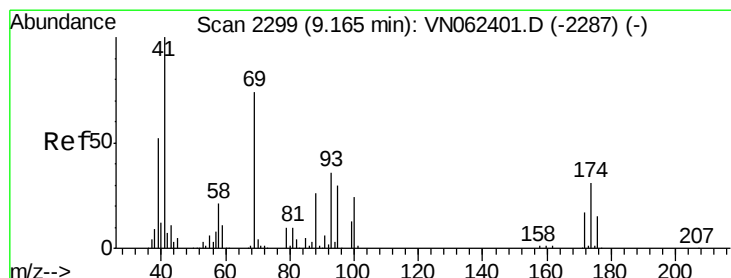
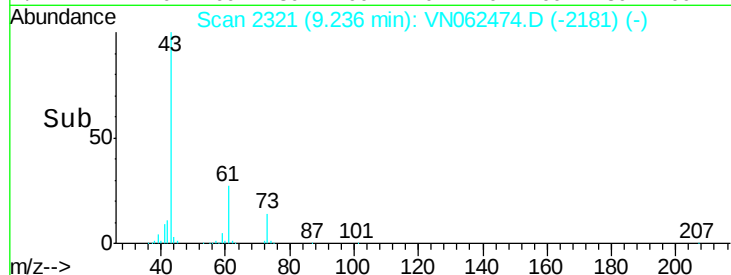
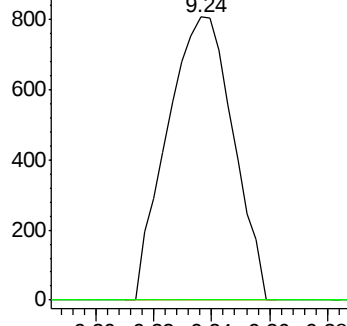
63 100

65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.310 ug/l

RT: 9.15 min Scan# 2295

Delta R.T. -0.01 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

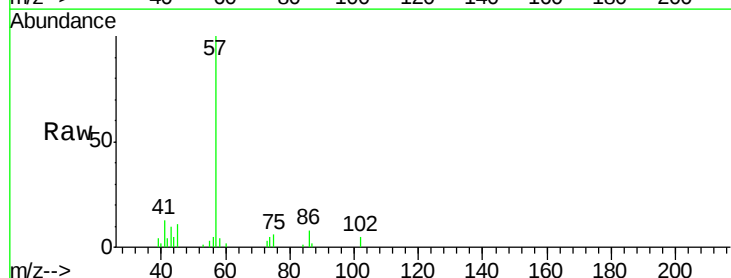
Tgt Ion: 41 Resp: 4448

Ion Ratio Lower Upper

41 100

69 0.0 60.8 91.2#

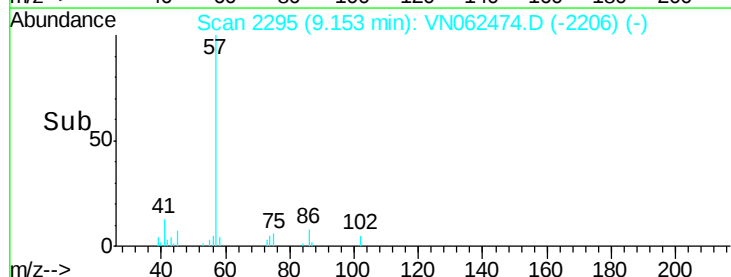
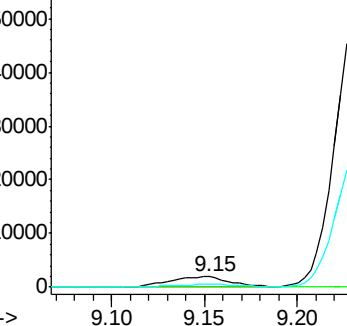
39 0.0 43.5 65.3#

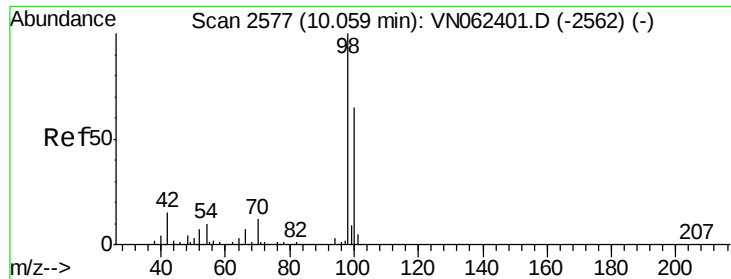


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 53.011 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

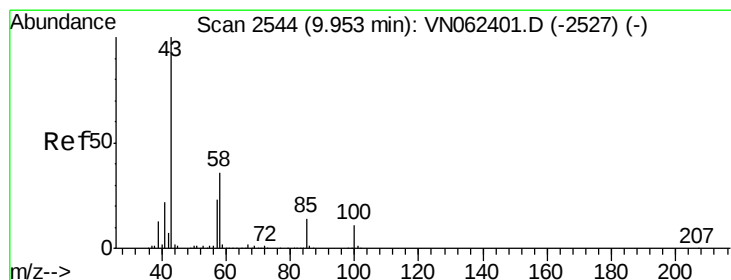
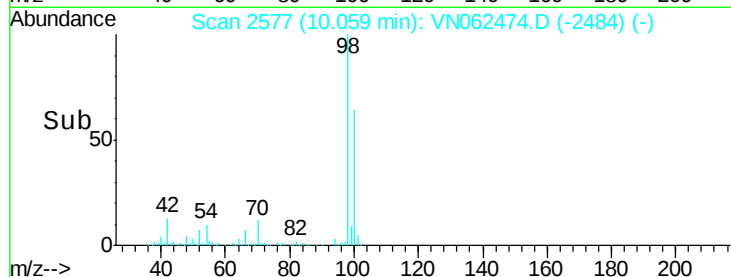
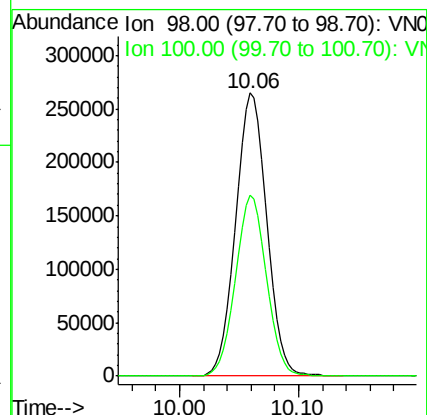
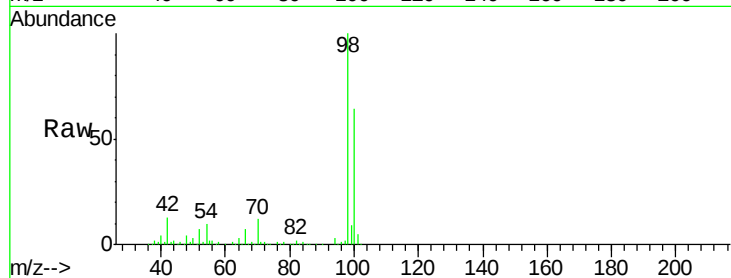
PB130035ZHE#05

Tot Ion: 98 Resp: 480971

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 1.548 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062474.D

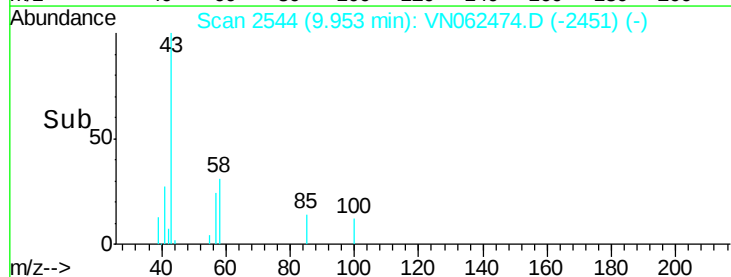
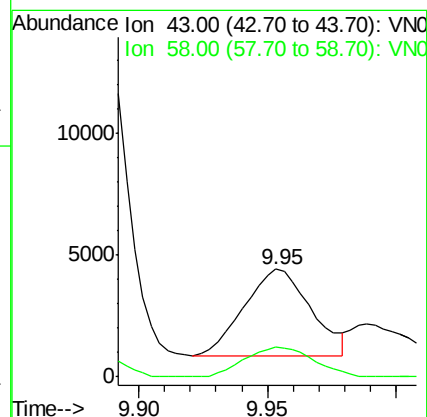
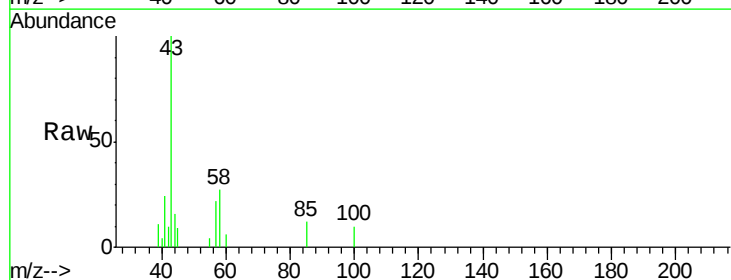
Acq: 9 Jul 2020 23:03

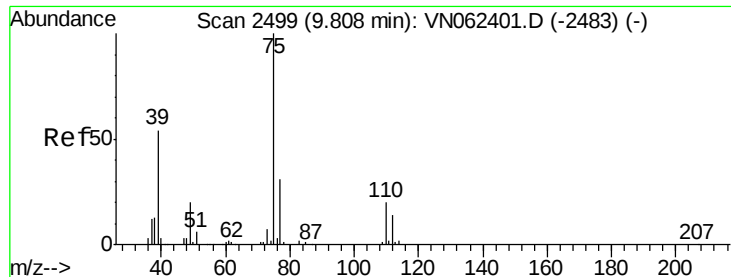
Tgt Ion: 43 Resp: 6396

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.6





#54

cis-1,3-Dichloropropene

Concen: 5.912 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

PB130035ZHE#05

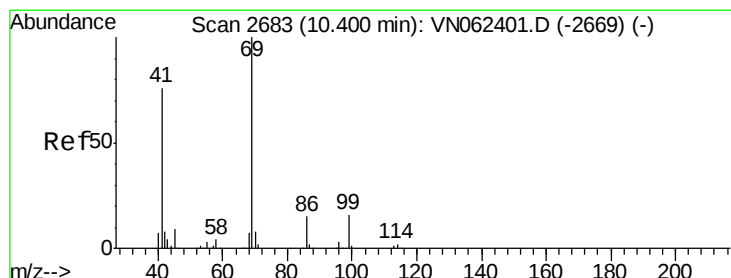
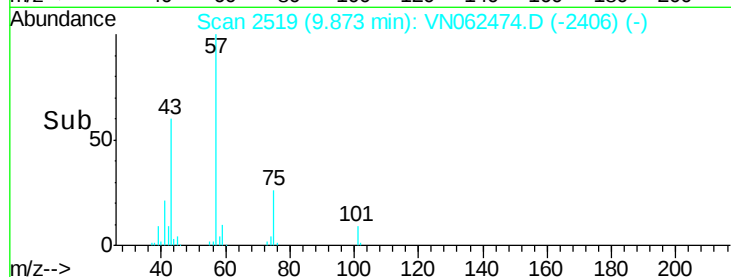
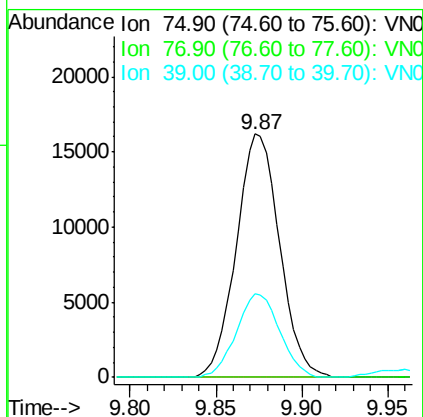
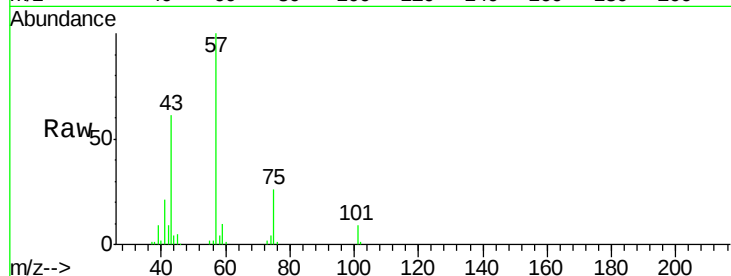
Tot Ion: 75 Resp: 28260

Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#

39 34.3 43.4 65.0#



#56

Ethyl methacrylate

Concen: 1.955 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

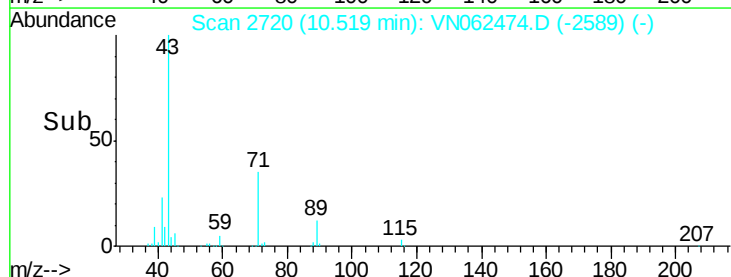
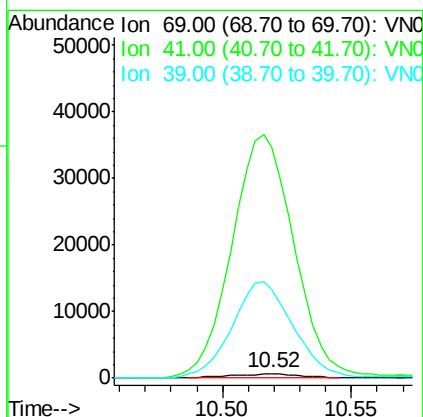
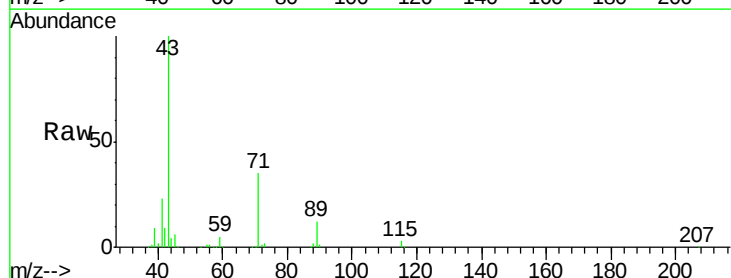
Tgt Ion: 69 Resp: 1162

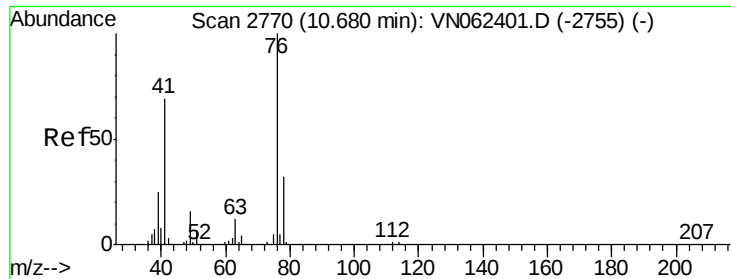
Ion Ratio Lower Upper

69 100

41 5326.9 59.7 89.5#

39 2082.1 30.6 45.8#

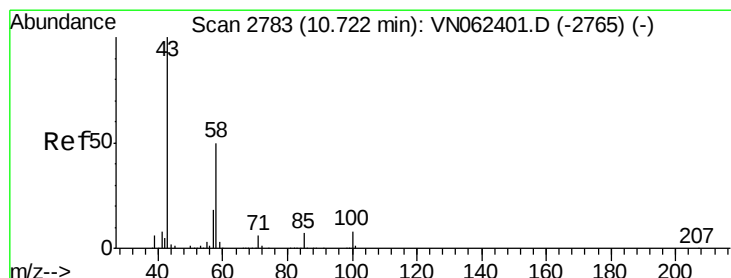
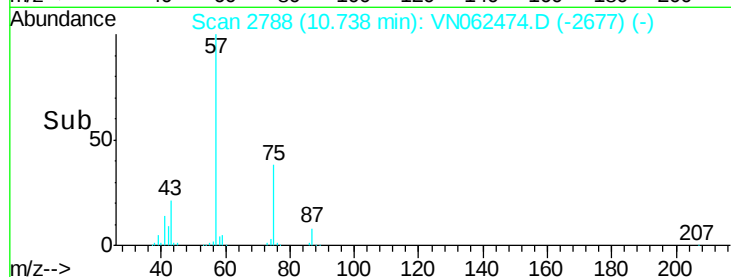
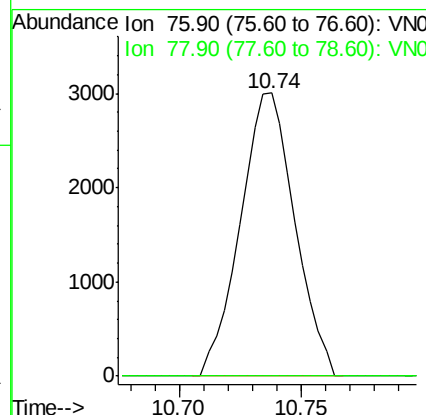
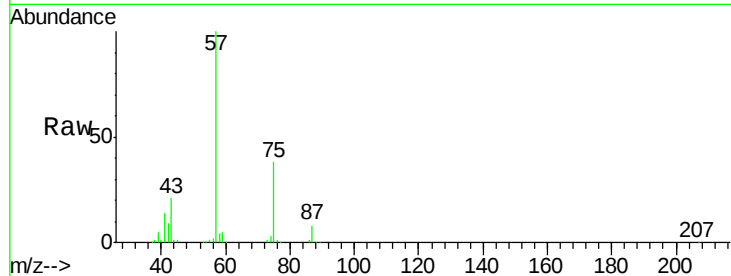




#57
 1,3-Dichloropropane
 Concen: 1.001 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062474.D
 Acq: 9 Jul 2020 23:03

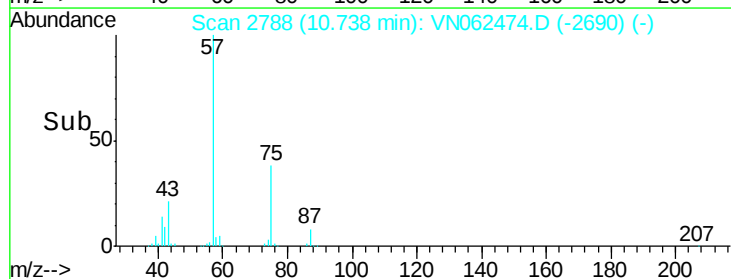
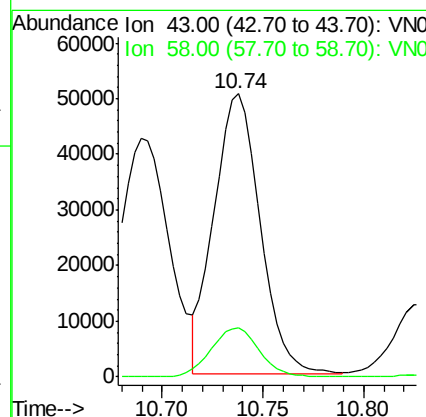
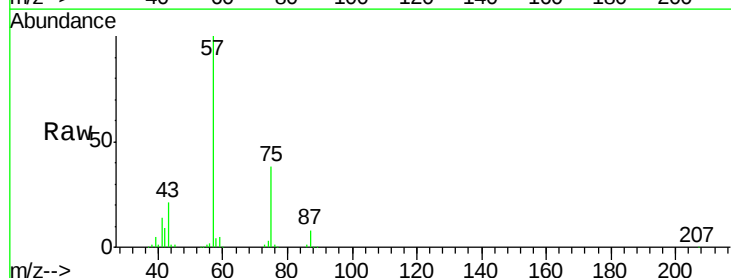
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130035ZHE#05

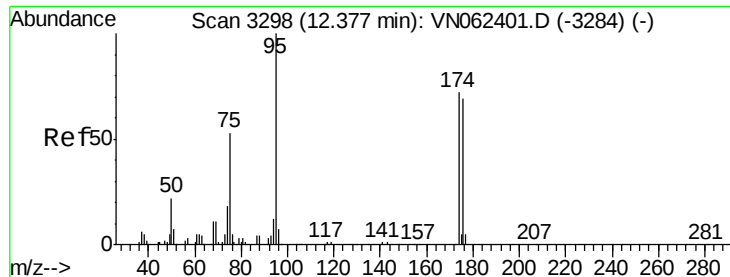
Tot Ion: 76 Resp: 4640
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 26.610 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062474.D
 Acq: 9 Jul 2020 23:03

Tgt Ion: 43 Resp: 79839
 Ion Ratio Lower Upper
 43 100
 58 18.4 25.1 75.2#





#62

4-Bromofluorobenzene

Concen: 52.327 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

PB130035ZHE#05

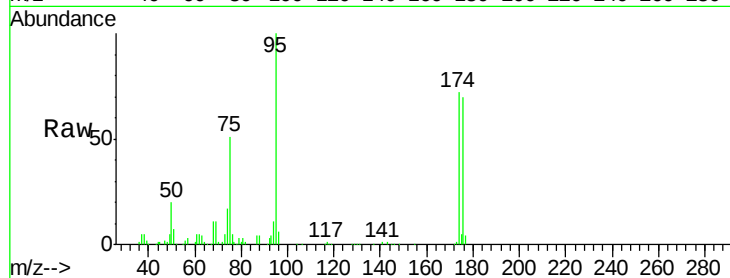
Tot Ion: 95 Resp: 173496

Ion Ratio Lower Upper

95 100

174 72.4 0.0 141.6

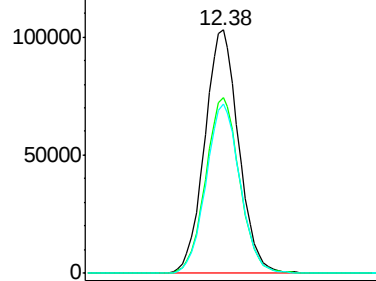
176 69.9 0.0 137.2



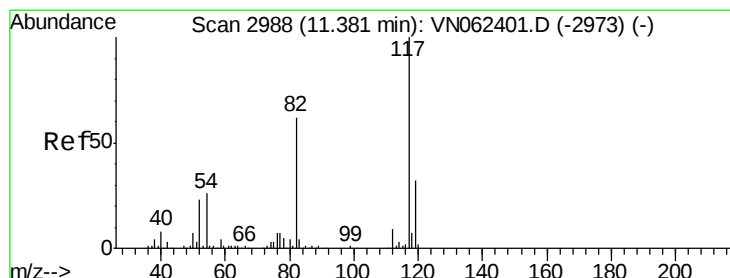
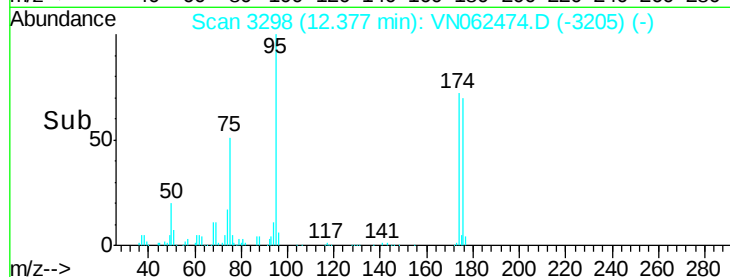
Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062401.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062401.D (-3284) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

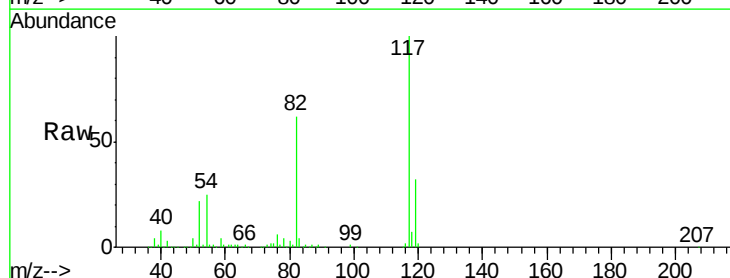
Tgt Ion: 117 Resp: 362355

Ion Ratio Lower Upper

117 100

82 61.7 49.6 74.4

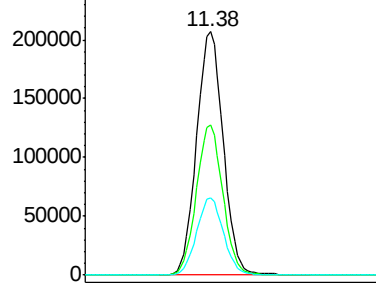
119 31.9 25.4 38.0



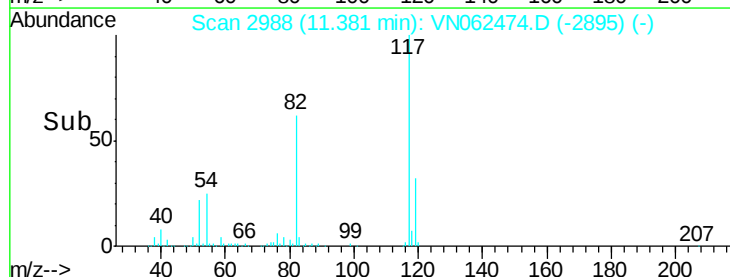
Abundance Ion 116.90 (116.60 to 117.60): VN062401.D (-2973) (-)

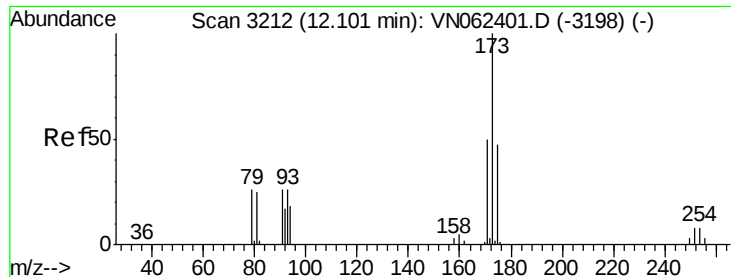
Ion 82.00 (81.70 to 82.70): VN062401.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062401.D (-2973) (-)



Time-->

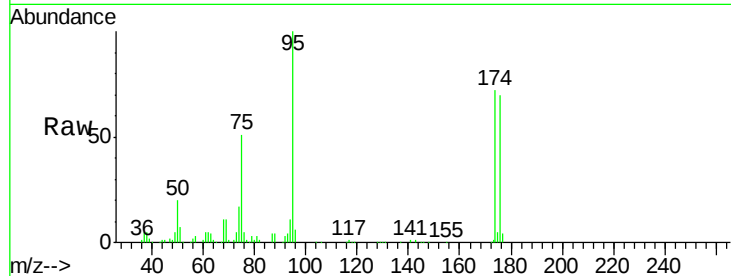




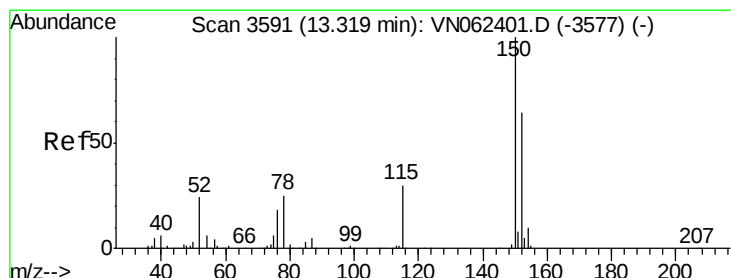
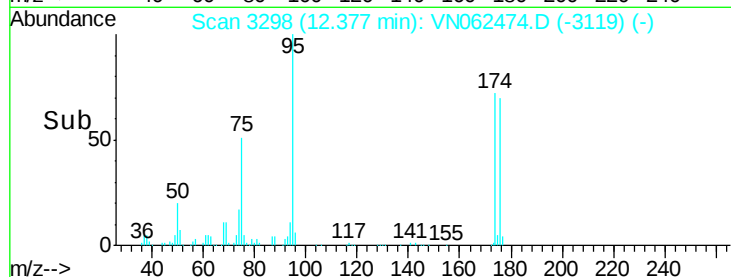
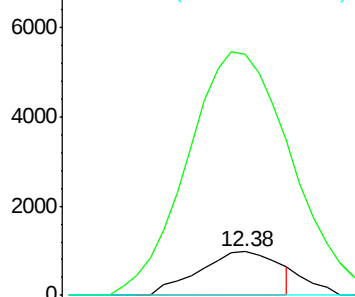
#71
Bromoform
Concen: 0.667 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#05

Tot Ion:173 Resp: 1269
Ion Ratio Lower Upper
173 100
175 634.1 23.7 71.1#
254 0.0 0.0 0.0

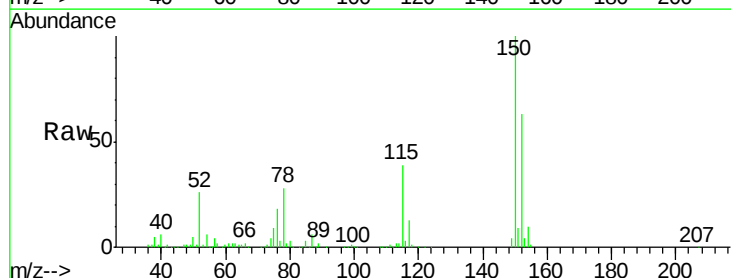


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

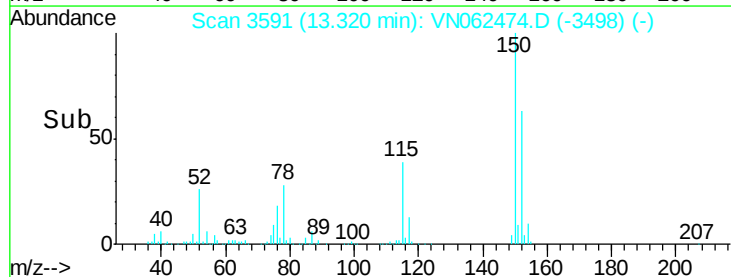
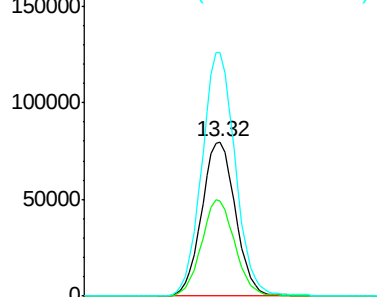


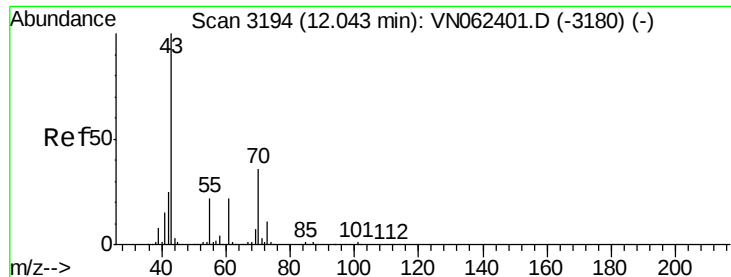
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

Tgt Ion:152 Resp: 136936
Ion Ratio Lower Upper
152 100
115 61.7 31.4 94.2
150 156.2 0.0 347.4



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

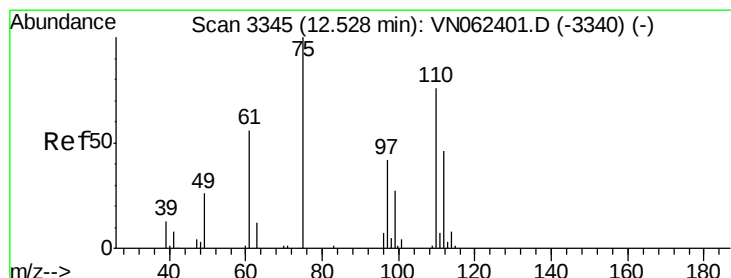
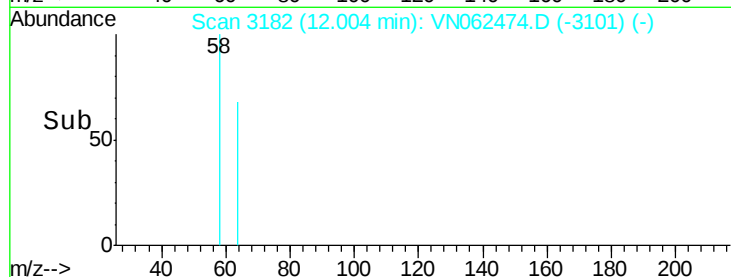
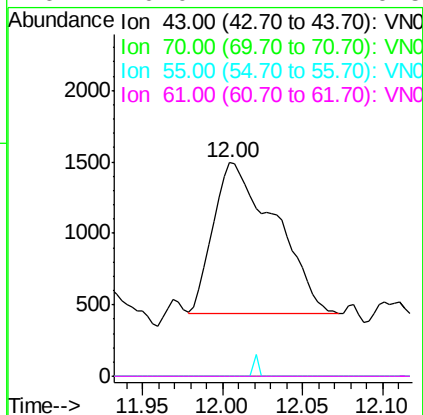
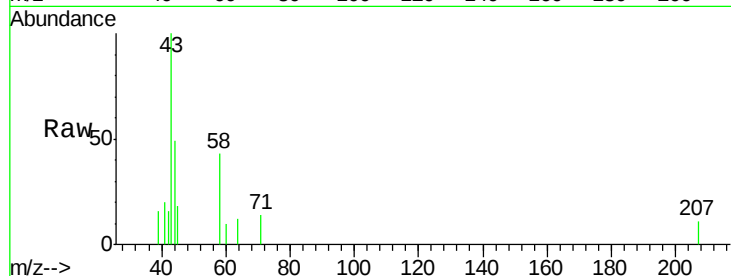




#74
N-amvl acetate
Concen: 0.549 ug/l
RT: 12.00 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

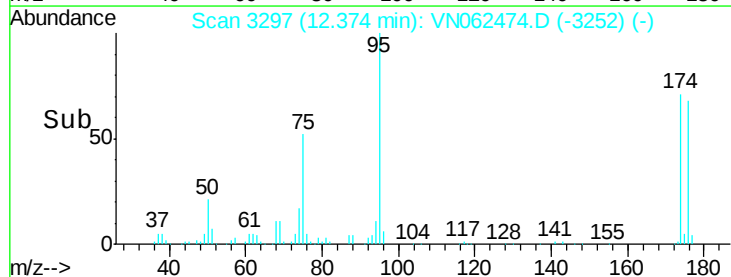
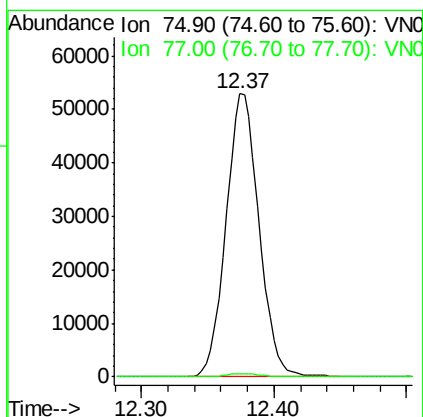
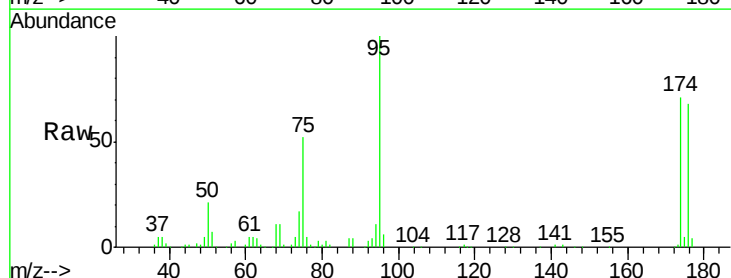
Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#05

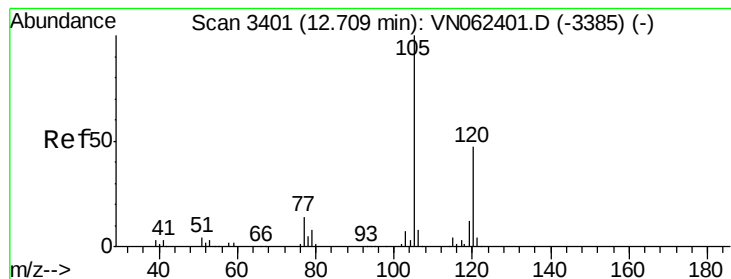
Tot Ion: 43 Resp: 2830
Ion Ratio Lower Upper
43 100
70 0.0 30.0 45.0#
55 0.0 18.2 27.4#
61 0.0 17.7 26.5#



#76
1,2,3-Trichloropropane
Concen: 27.156 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.15 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

Tgt Ion: 75 Resp: 91244
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.375 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

Instrument :

MSVOA_N

ClientSampleId :

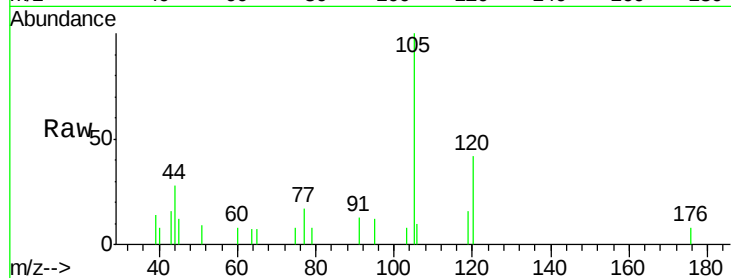
PB130035ZHE#05

Tot Ion:105 Resp: 3260

Ion Ratio Lower Upper

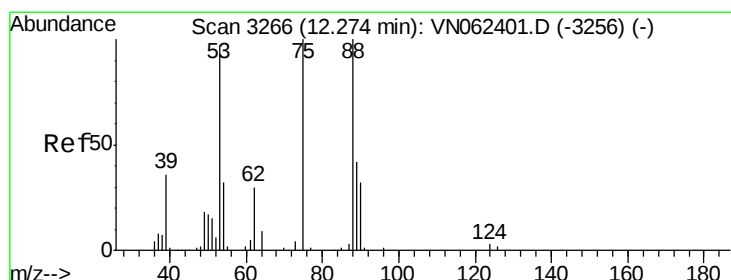
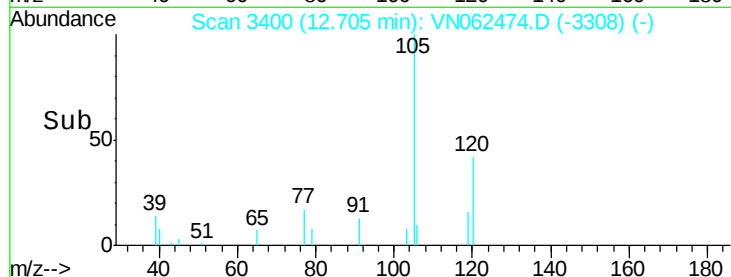
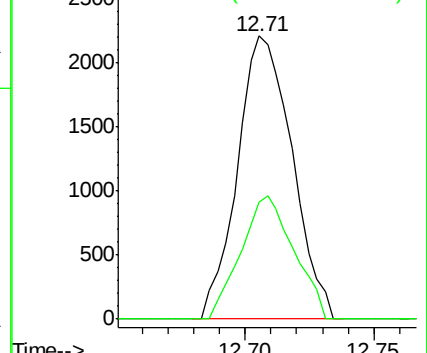
105 100

120 42.2 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 72.686 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062474.D

Acq: 9 Jul 2020 23:03

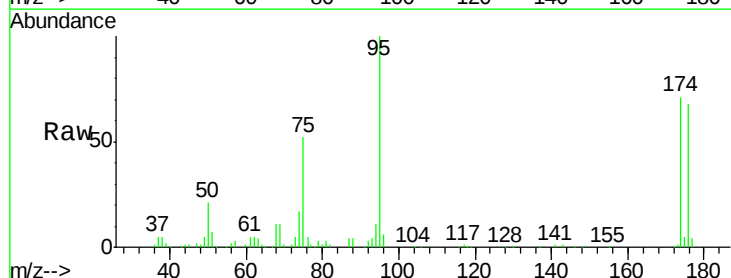
Tgt Ion: 75 Resp: 91244

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

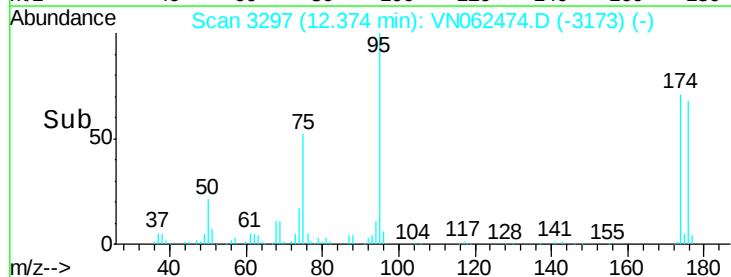
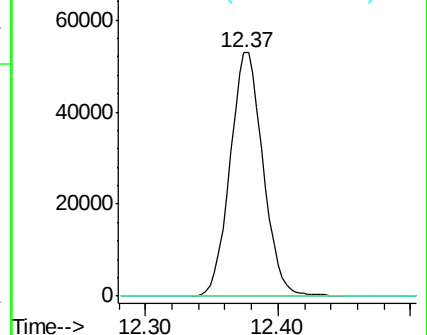
89 0.0 34.6 52.0#

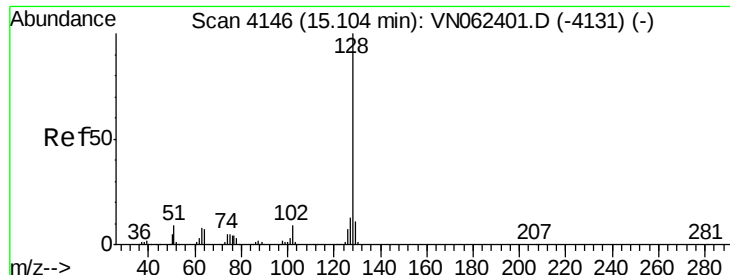


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95
Naphthalene
Concen: Below Cal
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062474.D
Acq: 9 Jul 2020 23:03

Instrument :
MSVOA_N
ClientSampleId :
PB130035ZHE#05

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	12.8#

